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*The*  
**CHEMIST AND DRUGGIST**

for RETAILER — WHOLESALE — MANUFACTURER  
APRIL 19, 1952



## A New Era . . .

The synthesis of Chloromycetin in the Parke-Davis Research Laboratories and its subsequent production on a large-scale manufacturing basis by a synthetic process marked the beginning of a new era in chemotherapy. Now that this live-saving drug is freely available, clinicians throughout the world are acclaiming its success in an impressive range of infections. Many previously intractable conditions can now be controlled by this single therapeutic agent.

# CHLOROMYCETIN®

THE FIRST SYNTHETIC ANTIBIOTIC

**PARKE, DAVIS** AND COMPANY, LIMITED Inc. U.S.A.  
HOUNSLOW, MIDDLESEX, Telephone: HOUnslow 2361



## A Fine Counter Attraction

BRISTOL QUADS were reared on  
**COW & GATE**  
MILK FOOD

BRIDGET-ELIZABETH-FRANCES & JENNIFER GOOD

FOOD OF ROYAL BABIES

**Cow & Gate**  
Milk-Food  
FULL CREAM

Ask our representative for one,  
or apply direct to

**COW & GATE LTD.**  
DEPT. C.D. GUILDFORD • SURREY

4885



# NOW! A NEW FORM OF VERILOID *for Hypertension*

Since the introduction of Veriloid—a unique biologically-assayed preparation of the alkaloids of *Veratrum viride* of proved value in the treatment of hypertension—clinical evidence\* has shown that dosage is facilitated by concurrent administration of phenobarbitone.

In the light of this experience we have now introduced to the Medical Profession

## VERILOID—VP

each scored tablet of which contains Veriloid, 2mg., with Phenobarbitone B.P., 15 mg. This combination effectively overcomes nausea in the majority of patients intolerant of Veriloid given alone.

Veriloid-VP may be prescribed on Form E.C.10. It is available from your usual wholesaler in bottles of 100 at 48/- (plus P.T. 10/8d.) each and 500 at 216/- (plus P.T. 48/-) each.

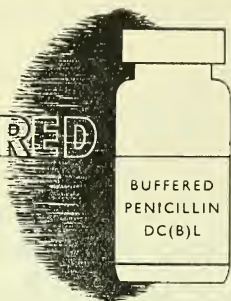
*Subject to 33½% discount*

*VERILOID IS A TRADE MARK OF*

**RIKER LABORATORIES LIMITED**  
29 KIRKEWHITE STREET, NOTTINGHAM

*Descriptive literature gladly sent on request*

\* Reference: *Lancet* 261: 1002 (Dec.) 1951

**BUFFERED****FOR STABILITY**

*An improved presentation of soluble penicillin . . .*

### **BUFFERED PENICILLIN DC(B)L**

*. . . more stable in solution ★*

Unbuffered solutions of crystalline penicillin G rapidly lose potency. This disadvantage is overcome in Buffered Crystalline Penicillin G (potassium salt) DC(B)L. Sterile aqueous solutions of this improved preparation, in the concentrations normally used, may be stored for the following periods without significant loss of potency

★ at 37°C for 24 HOURS

★ at 15°C for 7 DAYS

★ at 24°C for 3 DAYS

★ at 4°C for 14 DAYS

**BUFFERED PENICILLIN DC(B)L**, vials of 200,000 and 1,000 i.u. and of 1, 5 and 10 million i.u.

*Distributed by*

ALLEN & HANBURY LTD.

BRITISH DRUG HOUSES LTD.

BURROUGHS WELLCOME & CO.

EVANS MEDICAL SUPPLIES LTD.

IMPERIAL CHEMICAL (PHARMACEUTICALS) LTD.

PHARMACEUTICAL SPECIALITIES (MAY & BAKER) LTD.

*Manufactured by*

**THE DISTILLERS COMPANY  
(BIOCHEMICALS) LIMITED**

SPEKE

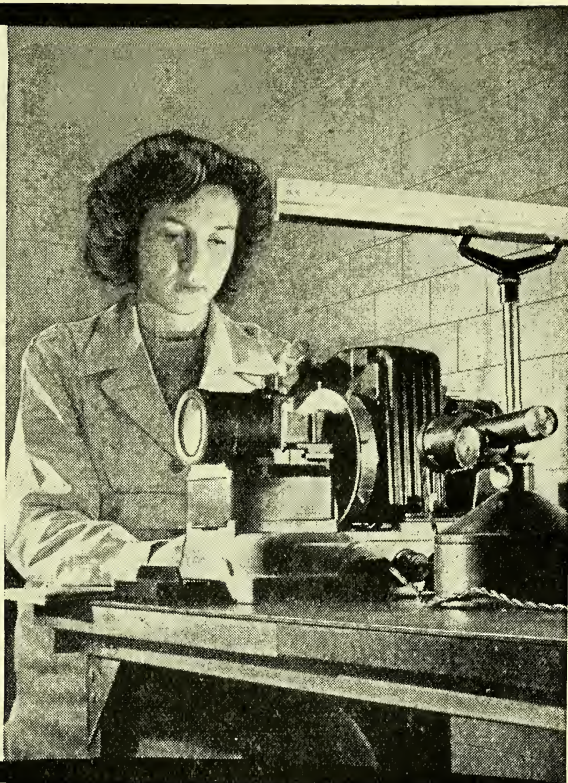
LIVERPOOL

# EVANS

make a contribution to

## Parenteral Liver Therapy

*The Spekker Absorptiometer*



Pioneer research work into the preparation of liver extracts for parenteral use has resulted in a product characterized by :—

- 1 *Conservation of naturally-occurring Vitamin B<sub>12</sub>\**
- 2 *Great potentiation of activity resulting from the process of proteolysis.*
- 3 *Minimal pain on injection.*
- 4 *Relative freedom from sensitivity reactions.*

\*Each ml. of Neo-Hepatex contains in excess of 12 $\mu$ g. of naturally-occurring Vitamin B<sub>12</sub>. No Vitamin B<sub>12</sub> from extraneous sources is added to Neo-Hepatex.

## NEO-HEPATEX

TRADE MARK

Further information on request from:

Medical Information Dept., Speke, Liverpool 19  
or 50 Bartholomew Close, London, EC1

EVANS MEDICAL SUPPLIES LTD

OVERSEAS COMPANIES & BRANCHES: AUSTRALIA, BRAZIL,  
EIRE, INDIA, PAKISTAN, SOUTH AFRICA, SOUTH EAST ASIA



# CHEMISTS!

**Simplify your routine records...**

## FREE SPECIMEN RECORD ON REQUEST

A chemist's life is one of the hardest . . . so many lines to stock, so many suppliers, so many bills and such small margins of profit!

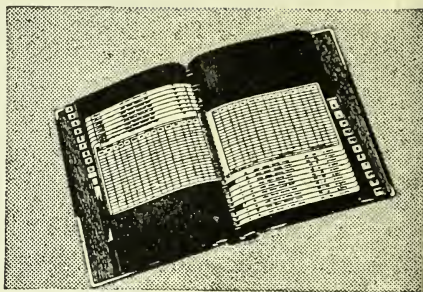
A chemist needs more book-keeping, stock-taking and clerical records than most other businesses. Yet your business won't support expensive clerical labour. So what is the answer?

First, a neat compact book that will hold hundreds of records. Second, *visible* records that can be seen without searching—and referred to or entered up in a flash.

What sort of records are needed?

They vary, of course, with every business. But all chemists want stock-cum-purchase records, complete with prices, discounts, dates, order numbers, etc.—because such a record is the backbone of the chemist's business. He needs to see how stocks are, what lines need re-ordering, what lines are selling well or hanging fire. And he ought to keep track of what money he pays out and what comes in.

The whole difficult problem has now been investigated and the right records created for chemists by chemists. There is a Shannoleaf record especially designed for chemists. It has a visible edge



showing the commodity, price, place in shop, etc. and signalled as to whether stocks are high or low on order, overdue for delivery, etc., and there are columns for dates of orders, order numbers, quantities, prices (wholesale and retail), discounts, cash discounts, carriage, margin of profit, when deliveries are made . . . and so on.

Every good chemist who wants to eliminate inefficiency should learn all about Shannoleaf records. And this is easy enough. Just jot "Shannoleaf for Chemists" on your letter-heading for full details.

**Shannon Systems**

FIRST IN FILING

THE SHANNON LTD., 118 Shannon Corner,  
New Malden, Surrey



**HOLIDAY TIME IS**



**TIME**

**B**e sure you stock these fast-selling squeezable and unbreakable containers.

Ideal for travel—packs your liquids in safety. Featherweight and moisture-proof. Available in 2, 4, 5 and 6 oz. sizes and in varying shapes. Cost 1/3d. each, retailing at 1/11d. each. The new directional all-purpose "Poly-Spray" complete with cap. Cost 8d. each, retailing at 1/-d. each. Fits 4 to 8 oz. sizes. Controlled dispensing spouts. Cost 6d. each, retailing at 9d. each. New 8 oz. size Poly-Tainer. Cost 1/7d. each, retailing at 2/4d. each. Ideal for home, picnics and garden use. National advertising campaigns are now being planned.



Order stocks now from your usual wholesaler or write direct to:

## INDUSTRIAL APPLIANCES LIMITED

21 GROSVENOR STREET, LONDON, W.1. TELEPHONES: GROsvenor 5249 : 5680.

for name of nearest stockist

TRADE ENQUIRIES INVITED

MANUFACTURED BY MESSRS. E. SHIPTON & COMPANY LIMITED EXCLUSIVELY FOR INDUSTRIAL APPLIANCES LIMITED



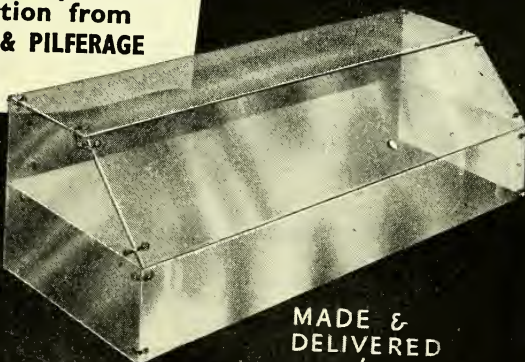
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**Enterprising display  
under glass provides  
protection from  
POLLUTION & PILFERAGE**

**FULL RANGE  
FOR EVERY  
PURPOSE**



**MADE &  
DELIVERED  
by**

**WATERHOUSE**  
*Makers of Fine Shop Fittings*

**BULL BRIDGE, ACCRINGTON, LANCS. Tel: ACCRINGTON 4238**

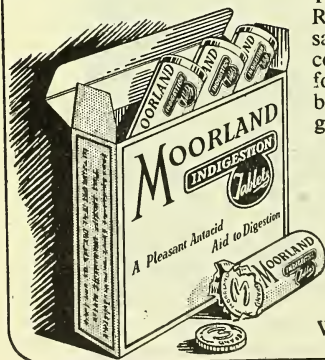
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# THE NEW MOORLAND ROLL PACK

## NOW AVAILABLE IN 2/- SIZE

The unprecedented success of the 1/1d. size Moorland Roll Pack (40 tablets) has led to the introduction of the same convenient rolls in the large size pack. Each carton contains 8 rolls of 10 tablets each — 80 tablets in all for 2/0d. Take advantage of this growing public demand by stocking and displaying Moorland Antacid Indigestion Tablets in your window and on your counter.



# MOORLAND

## ANTACID INDIGESTION TABLETS

W. B. CARTWRIGHT LTD., RAWDON, LEEDS



# PROFIT

*by these quick-selling proprietaries*

**ORDER A COMBINED PARCEL  
ASSORTED TO YOUR OWN REQUIREMENTS**



These quick-selling, heavily advertised proprietaries can be ordered in a profitable Combined Parcel — assorted to suit your own requirements.

Buy now — on BEST TERMS! Please send all enquiries to:

**BEECHAM (NORTHERN) LIMITED  
ST. HELENS, LANCs.**

BEECHAM (NORTHERN) LIMITED are the sole selling agents in the United Kingdom for Beecham's Pills Ltd., Veno Drug Co. Ltd., Phensic Ltd., Natural Chemicals Ltd., Phosferine (Ashton & Parsons) Ltd.

# ATTRACTIVELY PRESENTED COUNTER SPECIALITIES

*Always in demand!*



**'ZOM'** Brand

**PILE OINTMENT**

Tins or nozzled tubes

8/9 doz. Plus P.Tax 33 $\frac{1}{3}$ %

**PILE TABLETS** Boxes of 25's 8/6 50's 12/6 Plus P.Tax 33 $\frac{1}{3}$ %  
In smart show outers Retail 1/7 and 2/4 incl. P.Tax

**TOOTHACHE ESSENCE** cartoned 1 $\frac{1}{2}$  dr. Phials 7/3 doz.

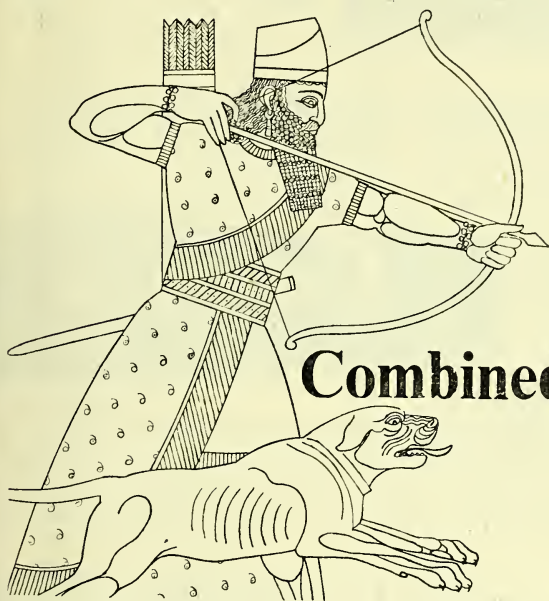
**GOLDEN EYE OINTMENT** Tubes. cart. 5/- uncartoned 4/6 doz. } Plus P.Tax 33 $\frac{1}{3}$ %

**ARTHUR H. COX & CO. LTD.**

Manufacturing Chemists

BRIGHTON, SUSSEX





## Combined Attack

The combined use of Mycil Ointment and Mycil Dusting Powder provides effective *non-mercurial treatment* for athlete's foot and other fungal infections of the skin.

Mycil Ointment penetrates deeply to the site of infection.

Mycil Dusting Powder protects against reinfection after clinical cure has been effected and is a useful agent with which to combat excessive perspiration.

# 'MYCIL'

### 'MYCIL' OINTMENT

*in collapsible metal tubes*

*Trade*

*Retail*

1/6

2/9 *inc. P.T.*

### 'MYCIL' DUSTING POWDER

1/6

2/9 *inc. P.T.*

THE BRITISH DRUG HOUSES LTD. LONDON N.1

# Firm Favourites *with all the family*

Every woman wants bathtime luxury and day long freshness—sell her delicately perfumed mildly medicated Cuticura Soap and Talcum Powder. Many of your customers have a "problem skin"—Cuticura Ointment is the perfect answer.

Baby loves the soothing comfort of mildly medicated Cuticura Soap, Talcum, Ointment. Recommend Cuticura for chafing and nappie rash, and convince all careful mothers that nothing else will do for baby's tender precious skin.

Men customers are won by the smooth comfort of Cuticura mildly medicated Shaving Stick, in smart plastic container, and will return again and again for refills.

## Cuticura

MEDICATED & TOILET

SOAP · OINTMENT · TALCUM · SHAVING STICK

### WISE CHEMISTS STOCK AND DISPLAY

**THIS WIDELY ADVERTISED FAMILY RANGE—NOW IN ATTRACTIVE DISPLAY OUTERS**

British Distributors: NEWBERRY & PHILLIPS LTD., 203 Victoria House, Southampton Row, London, W.C.1. Phone: HOL 1564

Manufacturers: POTTER DRUG & CHEMICAL CORPORATION, 205-207 Victoria House, Southampton Row, London, W.C.1

## Meet your new assistant

YES, this young man on the right is working for you.

He takes the eye and tugs the heart-strings of over eleven million women who read the twenty-eight magazines where his picture is appearing.

The picture is an illustration in one of the Heinz advertisements reminding mothers of the need to give their babies strained foods regularly from the age of three or four months. That is what the doctors and clinics are advising.

As a recent national consumer research has shown, a majority of mothers now give their babies *canned* strained foods and the overwhelming majority of them choose Heinz.

When mothers ask your advice as to which Strained Food the baby should be started on, or which are "best for baby" the answer to the first question is *Bone and Vegetable Broth*, and the answer to the second is: "A baby needs variety. Why not take seven cans and give a different one every day?"



"Portrait of a gentleman with that 3-course-dinner look." This picture appears in the current advertisements for Heinz Strained Foods.

57

# HEINZ STRAINED FOODS

# CARNEGIE

*Manufacturers of Fine Chemicals*



AESCULIN

ALOIN

AMINOPHYLLINE

ATROPINE & SALTS

BISMUTH SALTS

BROMISOVALERYLUREA

CAFFEINE & SALTS

CHLORAL HYDRATE

CHRYSAROBIN

CITRATES

EPHEDRINE & SALTS

ESERINE & SALTS

HYOSCINE HYDROBROMIDE

IODIDES

LITHIUM SALTS

P.A.S.

PODOPHYLLIN RESIN

SALICYLATES

SANTONIN

STRYCHNINE & SALTS

THEOBROMINE & SALTS

THEOPHYLLINE & SALTS

ETC.

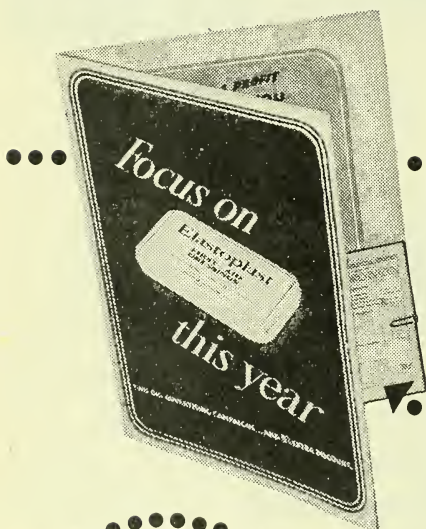
**CARNEGIE CHEMICALS (WELWYN) LTD**

WELWYN GARDEN CITY : HERTFORDSHIRE : ENGLAND

TELEGRAMS: CARNECHEM, WELWYN GARDEN TELEPHONE: WELWYN GARDEN 506 (4 lines)

A 'CARNEGIES OF WELWYN' COMPANY

# 5% extra for YOU on Elastoplast



**SEND YOUR ORDERS  
ON THIS CARD**

Focus on Elastoplast this year! The broadsheet you received this week gives you full details of the great 1952 Elastoplast sales effort. Remember these points from it . . .

A special display discount of 5% on all orders over £15. These orders already carry a 5% quantity discount so your total profit is 36% on the selling price.

A wide range of show material — from which your own special requirements can be met.

Attractive eye-catching window displays—promptly installed by professionals.

A great advertising campaign, far and away the largest ever seen in this country for First Aid Dressings.

The display offer lasts from 15th April to 4th July  
The big space colour advertising is starting, and the half-page in the Daily Express appears 21st May

**SO NOW IS THE TIME TO ACT.**



**FOR CHEMISTS**



**DRUGS**

**SUNDRIES**

*Manufacturing Chemists*

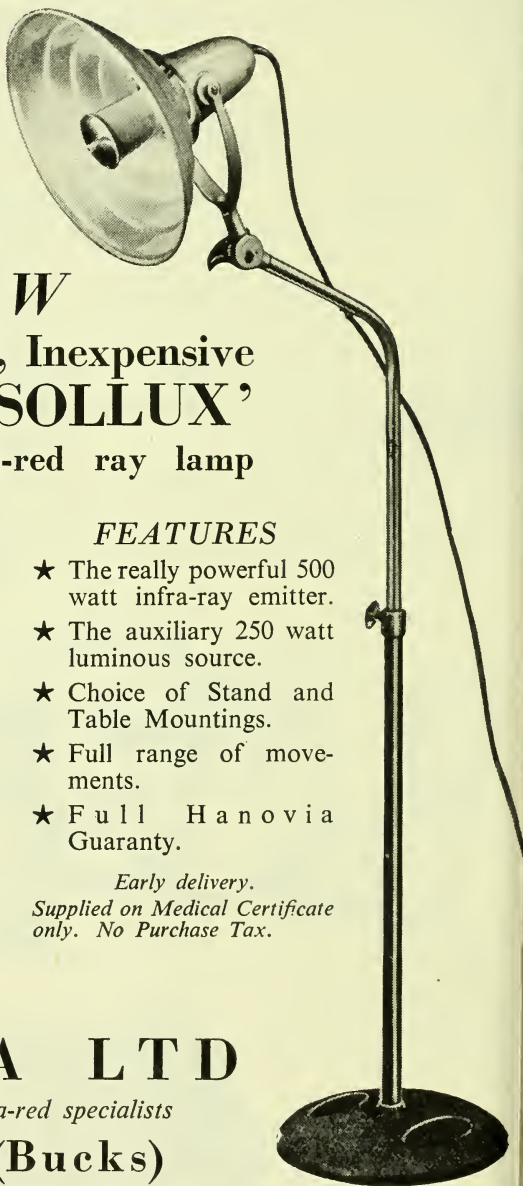
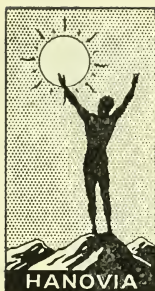
**PILLS · TABLETS  
PROPRIETARIES**

HEAD OFFICE & WORKS: MANSFIELD ROAD, DERBY. Tel: 48266 (4 lines)  
BRANCH WAREHOUSE: GROSVENOR ST., ASHTON under LYNE. Tel: 2816 (3 lines)



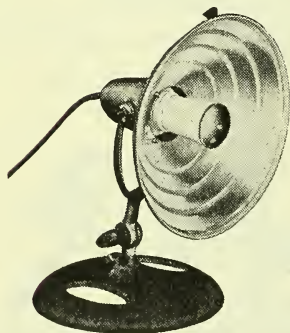
*Chemists' Labels*  
by

**THOMAS WAIDE & SONS LTD**  
KIRKSTALL HILL LEEDS



## NEW

This powerful, Inexpensive  
Hanovia 'SOLLUX'  
Model H.7 infra-red ray lamp



THE LIST PRICES  
ARE ATTRACTIVE

Stand Model £9 - 15 - 0

Table Model £8 - 15 - 0

(Subject)

### FEATURES

- ★ The really powerful 500 watt infra-ray emitter.
- ★ The auxiliary 250 watt luminous source.
- ★ Choice of Stand and Table Mountings.
- ★ Full range of movements.
- ★ Full Hanovia Guaranty.

*Early delivery.*

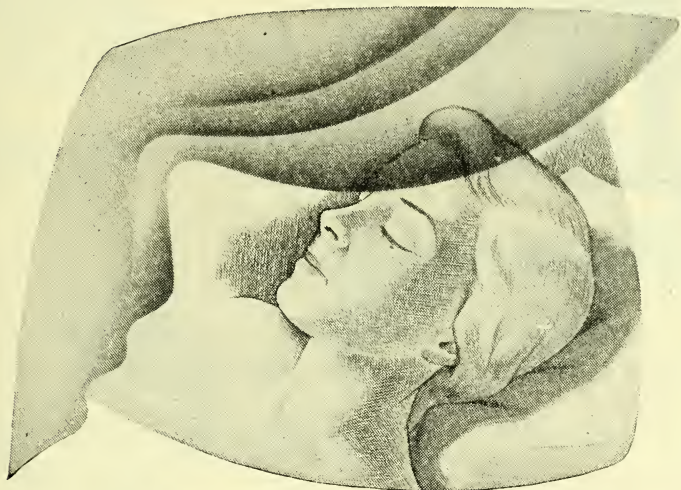
*Supplied on Medical Certificate only. No Purchase Tax.*

# HANOVIA LTD

*The ultra-violet and infra-red specialists*

## SLOUGH (Bucks)

London Showrooms: 3 Victoria Street, S.W.1



## Lifting the veil

The distress which accompanies the menopausal years need not be allowed to go unchecked. The physician has an adequate means of relieving the several conditions which veil a woman's outlook during her middle years. The administration of SEDESTRAN is a safe and ready method of controlling these symptoms by minimal medication. Menopausal migraine and hypertension respond well to SEDESTRAN as also does dysmenorrhœa of neurogenic and psychogenic origin.



# SEDESTRAN

TRADE MARK

STILBOESTROL 0.1 mg. PHENOBARB.  $\frac{1}{4}$  grain

*Literature on request.*

*A Geigy Medical Announcement.*



Bottles of 25 and 100 tablets. Dispensing pack — 1,000 tablets.

PHARMACEUTICAL LABORATORIES GEIGY LTD

Rhodes, Middleton, Manchester. Middleton 3933

# G.I.P. *For Economy in Bottle-Wrapping*

*A line to remember when you are ordering cut sizes for wrapping your bottles — Glazed Imitation Parchment. This is a good quality paper at a competitive price.*

★ The use of cut sizes for bottle-wrapping reduces wastage. They are economical as well as convenient.

	Powders	1 oz.	2 oz.	3/4 oz.	6 oz.	8/10 oz.	12/16 oz.
Ream	1/9	3/2	3/11	6/4	7/8	9/6	13/6

## *Other Wrappings*

### WHITE AND COLOURED TISSUE

Light Blue, Dark Blue, Light Green		Ream
Dark Green, Mauve and White ...	19½" x 29½"	21/9
	8/10 oz.	4/-

### COLOURED SULPHITE

Green, Mauve and Claret ...	20" x 30"	39/6
-----------------------------	-----------	------

### COUNTER ROLLS, COLOURED SULPHITE

15" wide, Green and Mauve ...	Each
	45/9

### BEST WHITE DISPENSING

17½" x 22½"	Ream
	36/9

### BROWN KRAFT ...

20" x 30"	29/6
-----------	------

***Certor***  
**WRAPPING PAPERS**

*NOTE. Orders sent carriage paid in free packages*

**MACDONALD & SON LTD.**





*Ugh!  
Flies again!*



*Ah!*  
**COOPER'S**  
**Household Aerosol**



Housewives everywhere will soon be asking for Cooper's Household Aerosol. Containing "Pybuthrin," the safe and super-efficient fly and wasp killer, it is nine times more powerful than ordinary flyspray. Simple and safe to use—and economical too. No wonder demand, fostered by National advertising, is likely to exceed even this year's increased production. Make sure of this worth-while market—

**STOCK UP NOW WITH**  
**The Press-Button**  
**Fly-Killer**

COOPER, McDOUGALL & ROBERTSON, LTD., BERKHAMSTED, HERTS. Est'd 1843



"CRESSWELLS" are today the largest bulk buyers of Natural Sea Sponges with a widespread organisation which *gets the best* when the sponge crop is fished. For the best sponges, in the widest range, the brand is RELIANCE. Please send for illustrated leaflet showing our full range of attractive sales-producing sponge boxes.

*Your enquiries, for sponges and also for CHAMOIS LEATHERS, will receive immediate, expert attention.*



## CRESSWELL BROS. SPONGES

(WORLD NATURAL SPONGE SUPPLIERS LTD.)

SPONGE IMPORTERS AND EXPORTERS

BUCK STREET • CAMDEN TOWN • LONDON

Phone : GULLiver 5462-3

Telegrams : Sponge, Norwest, London

*By local application*

# **ANTISTIN-PRIVINE**

**provides**

## **PROMPT & PROLONGED**

## **RELIEF**

**in**

# **HAY FEVER**

**and other allergic nasal and ophthalmic conditions**

Treatment with Antistin-Privine is free from side effects. By applying Antistin-Privine *full business and recreational activities* can be undertaken even under the worst hay fever conditions.

Pocket Nebuliser

$\frac{1}{2}$  fl. oz. Bottles with dropper, Bottles of 4 and 20 fl. ozs.

# **C I B A**

*'Antistin' and 'Privine' are registered trade marks: Reg. user*

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**HORSHAM · SUSSEX**

*Telephone: Horsham 1234*

*Telegrams: Cibalabs, Horsham*





## L.I.R.B.M.

Combining Liver Extract,  
Ferri et Ammon Cit. Red  
Bone Marrow and Extract  
Malti Liq.

An ideal nutritional adjuvant and  
hæmatinic tonic for infants,  
children and adults.

2 oz. bottles, with dropper,  
4 oz., 8 oz. and 16 oz.

DISPENSING PACKS:  
40 oz., 80 oz. and 1 gallon

THE ARMOUR LABORATORIES  
(ARMOUR & COMPANY LTD)

LINDSEY STREET, LONDON, E.C.1

Telephone: Clerkenwell 9011

Telegrams: "Armosata-Phone," London

Show 'Elasto'—

**Elasto**  
THE BIOCHEMIC TABLET  
**It Sells on Sight!**

ELASTO advertising is widespread and consistent. A steady demand for this product is being created at your very door. Are you taking full advantage of this opportunity for new business created in your area by this vigorous campaign? 'Elasto' sales-aids displayed in your window or on your counter will convert the 'prospect' we have created into a customer for you. *And remember there is ONE SHILLING and SEVENPENCE PROFIT on each sale!*

Show material free on request

**NEW ERA LABORATORIES LTD.**  
CECIL HOUSE · HOLBORN VIADUCT · LONDON

THE

**FLUID**

**AGITATOR-  
EMULSIFIER**

LABORATORY MODEL  
SL-A

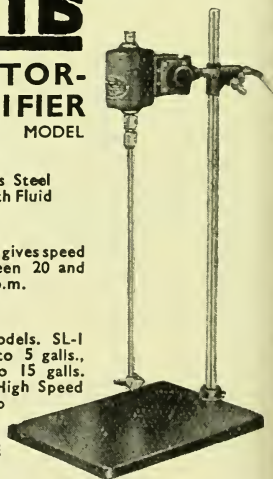
All Stainless Steel  
Contact with Fluid

Built-in Control gives speed  
variation between 20 and  
2000 r.p.m.

Also larger models. SL-1  
for vessels up to 5 galls.,  
and SL-2, 10 to 15 galls.  
capacity. S.C. High Speed  
Agitators for up  
to 500 galls.

**IMMEDIATE  
DELIVERY**

**FLUID EQUIPMENT CO. LTD.**  
(Dept. S.D.) 83 Seaford Road, London, N.11  
Phone: ENT 2565





# TATTOO'S DISPLAY BONUS SENSATION FOR 1952

Tattoo leads the way once more—both in value and in merchandising.

Today "point-of-sale" advertising is more important and profitable than ever before. That is why TATTOO offers you this sell-on-sight, modern display material absolutely **FREE**.

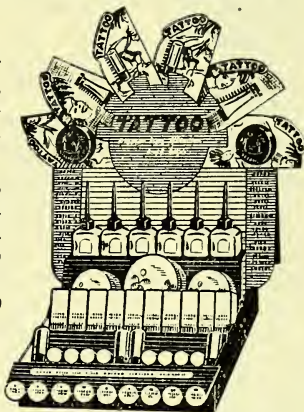
## FREE!

This counter-dispenser displaying the full line of Tattoo Cosmetics is free with an order for the following representative stock:—1 doz. 4/6 Swivel Lipsticks, 1 doz. 3/- Large Refills, 1 doz. 1/9 Small Lipsticks, 1 doz. 1/6 Cream Mascara, 1 doz. 1/3 Small Powder, 1/2 doz. 2/6 Compact Rouge, 1/2 doz. 2/6 Nail Lacquer, 1/2 doz. 1/9 Large Face Powder — AND A 5% SPECIAL EXTRA DISCOUNT FOR CONTINUED DISPLAY.

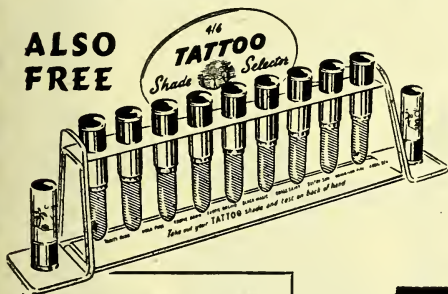
Your total outlay on this order (incl. purchase tax) is £7.0.10

**YOUR PROFIT IS £2.2.9**

a profit of approximately 40% on the list wholesale price.



**ALSO  
FREE**



**TATTOO'S NATIONAL  
ADVERTISING HAS  
A WOMEN'S READER-  
SHIP COVERAGE OF**

**34,470,000**

This glamorous Perspex Shade Selector also comes to you *free* if you purchase with the above order only 2 dozen more of the 4/6 Swivel Lipsticks which will be charged to you at the special bonus rate of

**12 for the price of 11**

# TATTOO LIPSTICKS

Also TATTOO Cream Mascara \* Face Powder \* Nail Lacquer  
Compact Rouge \* QUICKIES Ever-Moist Face Cleansing Pads—the  
quickest, easiest seller in the trade \* 5-DAY Deodorant Pads, wipe  
away perspiration, banish odour.

# LIFEGUARD COLOUR PAGES 1952

The attention of many millions of people will be irresistibly attracted to Lifeguard advertising this year. Whole pages have been booked in the biggest circulation Weeklies and Women's Papers. Powerful, appealing full-colour advertisements have been designed to fill them. These advertisements will be hard to miss and harder still to forget. Their effect upon sales will be as tremendous as the biggest-of-all-disinfectant advertising put out by Lifeguard for several years in succession. Lifeguard Sales are consistently on the up and up. The new 9d. economy size and the handy and shapely new design of all Lifeguard bottles will contribute much to making this another grand Lifeguard year.

## LIFEGUARD LEADS

LIFEGUARD,  
THE SUPREME DISINFECTANT



STOCK IT — SHOW IT

PROF - I



# your **BIG** Opportunity for "BEST EVER" DISCOUNTS

## SPECIAL PARCEL OFFER!

Providing orders are placed NOW for delivery not later than April 30th, 1952, you will obtain:—

15% SPECIAL DISCOUNT on orders of £10 in value  
12½% " " " " £5 " "

The value of orders is based on List Trade Prices, but excluding SECTO D.D.T. AEROSOLS, as these will not qualify for special discount purposes.

SECTO SPRAYERS may be included in your order, in the ratio of one dozen Sprayers to each two dozen tins of SECTO D.D.T. LIQUID ordered. Maximum Special Discount on Sprayers will be 10% (on £10 orders) or 5% (on £5 orders).

SEND YOUR ORDER EITHER DIRECT OR THROUGH YOUR USUAL WHOLESALE. ATTRACTIVE DISPLAY MATERIAL IS AVAILABLE. PRICE LIST SENT ON REQUEST, COVERING SECTO RANGE, INCLUDING SECTO D.D.T. AEROSOLS.

**DO NOT FORGET**  
to include the new 1/9 size tin of SECTO D.D.T. LIQUID IN YOUR ORDER

OFFER EXTENDED TO  
30th APRIL, 1952

SECTO D.D.T. AEROSOLS  
(Press button spraying)  
REDUCED TO 6/9 EACH

# SECTO

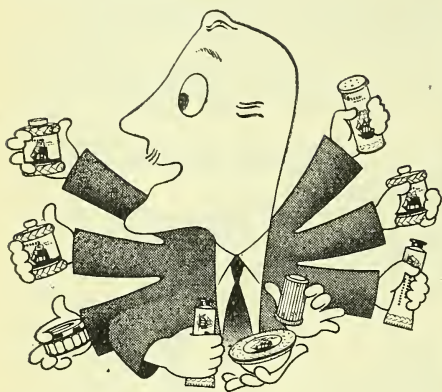
## EXTRA POWER

# D.D.T.

**CUPAL LIMITED, BLACKBURN LANCs.**  
MANUFACTURING CHEMISTS



GOYA tells you . . . .



How many men  
make 9 . . . .

How many men can find their 2 or 3 toilet needs perfectly met in the 9 products of the Corvette range? It must be millions.

It's early days to talk of "huge success", but already it's clear that men like choosing their toilet preparations from a single matched range of consistent quality. They try one Corvette product, find it good, and are instantly attracted to another.


# Corvette

The matched range  
of Toilet Preparations  
for Men



SHAVING STICK 3/- SHAVING BOWL 5/6  
LATHER SHAVING CREAM 3/- BRUSHLESS  
SHAVING CREAM 3/- HAIR CREAM 3/6  
BRILLIANTINE 4/- SOLID BRILLIANTINE 3/6  
INVISIBLE TALC 4/6 AFTER SHAVE  
LOTION 4/- ALL AVAILABLE SEPARATELY

GOYA (MEN'S DIVISION) LONDON, W.1



We invite your enquiries and orders for

**DRUGS, GALENICALS,  
TABLETS, OINTMENTS,  
SULPHA DRUGS,  
HYPODERMIC NEEDLES,  
CLINICAL THERMOMETERS,  
SURGICAL PLASTERS,  
SURGICAL DRESSINGS,  
HOT WATER BOTTLES,  
CHEMISTS' SUNDRIES**

at competitive prices.

**BIOREX**  
**LABORATORIES LTD.**  
WHOLESALE AND MANUFACTURING CHEMISTS  
51 EXMOUTH STREET, LONDON, E.C.1  
Telephone: TERminus 9494 and 1431

*Post orders executed promptly  
Daily delivery service in the  
Greater London Area*

SANCTIONED ON  
N.H.S. Prescriptions (Form E.C.10)

## EPHAZONE tablets

The rational, symptomatic  
remedy for  
bronchial spasm in  
**ASTHMA & BRONCHITIS**

Containing in each tablet:  
Ephedrine  $\frac{1}{4}$  grain - Theobromine  $\frac{1}{2}$  grain  
Phenazone 1 grain - Calcium gluconate  $\frac{1}{2}$  grain

This preparation is not advertised  
to the general public.

**EPHAZONE LTD**  
59 BROOK ST. LONDON W1 TEL: MAYFAIR 54

# Q.A.

## Quick Acting Aspirin Tablets



Q.A. Aspirin Tablets are made to disintegrate immediately they are swallowed, and begin to take effect at once.

Wherever Q.A. Aspirin Tablets are shown they become amazingly popular, sales steadily increasing year by year.

Sold by chemists only, they are very attractively packed and extremely profitable to sell.

Retail Prices:

Bottles of 25 1/3 including purchase tax

Bottles of 100 3/- including purchase tax

VERY EFFECTIVE DISPLAY MATERIAL IS AVAILABLE

SOLE MAKERS:—

**THOMPSON & CAPPER WHOLESALE LTD.**

Speke Hall Road, LIVERPOOL, 19.

# Forget your manufacturing problems

Established Pharmaceutical Proprietary Manufacturing Company has additional capacity and can offer a complete organisation devoted to producing and packaging coated and uncoated tablets, powders, ointments, etc.

- Scientific controls, skilled personnel and modern facilities enable us to render you prompt, accurate and dependable service.
- Modern laboratory at the factory controls purity and standardisation.
- Up-to-date plant and equipment ensures reasonable prices.
- Especially equipped to undertake the packing of tablets in cellulose film or laminated foil.

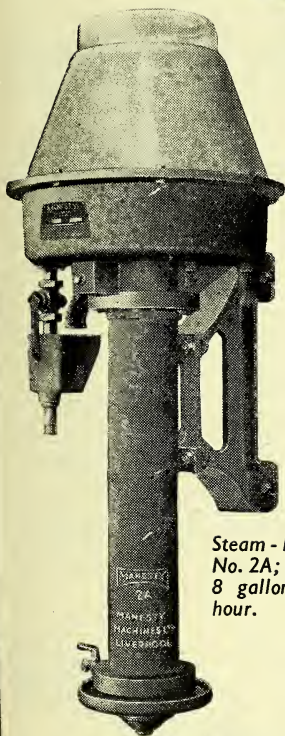
*We invite your enquiries, in strictest confidence, for large and small quantities.*

**box no. C8836**

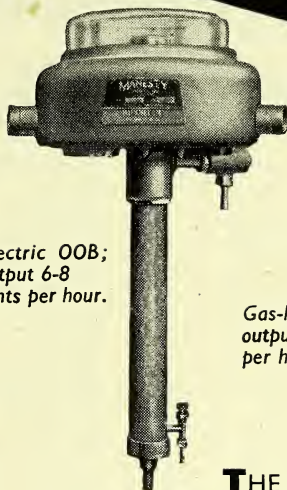
28 ESSEX STREET, LONDON, W.C.2



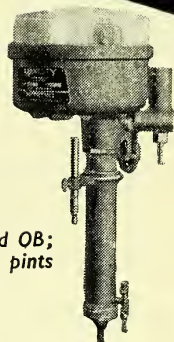
# LOOK WHAT YOU SAVE WHEN YOU MAKE YOUR OWN DISTILLED WATER



Steam - heated  
No. 2A; output  
8 gallons per  
hour.



Electric OOB;  
output 6-8  
pints per hour.



Gas-heated OB;  
output 3 pints  
per hour.

**T**HE advantages of making your own distilled water are all too well recognised—not the least of which is the saving of time and expense when there is a supply always at hand. Look at the facts and figures on distilling your own with a MANESTY Automatic Water Still. Send for illustrated lists of the MANESTY Range—capacities to suit all purposes. MANESTY Stills give distilled water of constant purity.

**BIF**



MAY 5-16

EARLS COURT & OLYMPIA  
LONDON

**SEE OUR EXHIBIT**

STAND D.35 OLYMPIA

Electric, Gas, Steam and Paraffin  
Heating (13 models).

**MANESTY**  
MEANS  
PRECISION-BUILT

**MANESTY MACHINES LTD.**

DEPT. 5

SPEKE

LIVERPOOL 19

Telephone: Hunts Cross 1972

Telegrams: Manesty, Liverpool 19

TABLET MACHINES • COATING PANS • GRANULATORS • MIXERS • PUNCHES AND DIES

# P-CHROME

*The British Made Quality Orthochrome Roll Film — 29° Sch.*

## BIG PRICE REDUCTIONS AND LARGER DISCOUNTS

Size	12	Tax	100	Tax	144	Tax	Retail Price
P27	13/-	8/8	£5 8 3	£3 12 2	£7 15 11	£5 3 11	<b>2/5</b>
P29	14/3	9 6	£5 19 0	£3 19 4	£8 11 5	£5 14 3	<b>2/7</b>
P20 · P62	15/-	10 -	£6 4 4	£4 2 11	£8 19 2	£5 19 5	<b>2/9</b>
P16	20/2	13 5	£8 7 6	£5 11 8	£12 1 3	£8 0 9	<b>3/8</b>

- ★ **TRADE DISCOUNTS** 30% of Basic Price
- ★ **CASH DISCOUNTS** 2½% for payment by 15th of month following delivery. 5% for payment within 7 days of Invoice. 7½% for Cash with Order
- ★ **GENEROUS QUANTITY DISCOUNTS** up to 12½%

**Minimum order for trade terms - 6 dozen (Post free)**


All quantities over 720, on quantity discount terms, will be sent in crates by road transport. If quicker postal or passenger train delivery is required the difference in cost will be charged to the customer. All C.O.D. fees charged extra, but C.O.D.'s qualify for C.W.O. discount

**SAMPLE PARCEL** of 12 mixed films - 27 6 post free

### PHOTOCAM ROLL FILM CO.

AUCHENCAIRN · CASTLE DOUGLAS · SCOTLAND  
*Telegrams 'Photocam' Auchencairn*

*Ramsgate Works* · 2a Park Road, Ramsgate, Kent  
*Telephone Ramsgate 1967*



In time of  
**pain**

**'CODEMPRIN'**

TRADE MARK



Gives  
speedy and  
effective  
relief

1/3 for 10

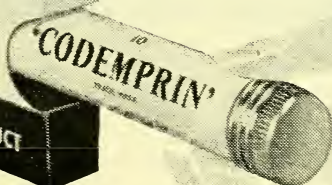
A BURROUGHS WELLCOME & CO. PRODUCT

**THIS "DISPENSER" WILL  
INCREASE YOUR SALES**

Your customers will be immediately attracted by the 'Codemprin' dispenser-outer of 2 doz. tubes and by the new showcard.

**A bonus of 13 to the dozen is offered on orders of 2 dozen.**

★ Its price (1/3 for the tube of 10), its size (slips into handbag or pocket) and its effectiveness (contains four active ingredients), give 'Codemprin' a special appeal to the customer for whom aspirin is "not enough".



**'CODEMPRIN'**

TRADE MARK



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON





**BONUS  
TERMS**

*From  
April 1st  
until  
July 31st  
inclusive*

**COLLOIDAL CALAMINE**

**COLLOIDAL CALAMINE CREAM**

**SUNTAN CREAM** (*Staining*)

**SUNTAN AID** (*Promotes Tanning*)

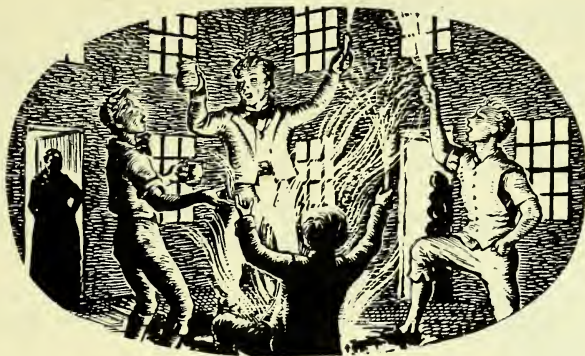
**Z-I-N-G No. 1** (*Insect Repellent*)

**Z-I-N-G No. 2** (*Antidote for Bites*)

**MALANTI** *Anti-Sickness* **REMEDY**

*Seven established lines backed by attractive display material. Bonus terms are generous and apply to assorted parcels. Write today for details—*

**WARRICK BROTHERS LTD.  
WARREX LABORATORIES · LONDON N. 1.**



## *Hurrah Horatio!*

Although Luke Howard, the founder of Howards was almost certainly too conscientious a Quaker to approve of anything to do with war, there is some evidence that his workpeople celebrated in an appropriate manner Nelson's victory at Trafalgar. In one of the company's boxes of records, labelled 1805, has been discovered a bunch of home-made squibs. This was probably the one and only time that Howards ventured into the fire-work industry, for even in 1805 they were very well occupied in developing the already established manufacture of such chemicals as Acetates, Bismuth Salts, Citrates and Ether.

Then, Howards were, as they are now, leaders in the manufacture and refinement of pharmaceutical chemicals.

Safe as

# HOWARDS

Bromides, Citrates

Iodides, Iron Salts

Bismuth Salts

Sodium Bicarbonate



Lactates, Aspirin

Salicylates, Ethers

Quinine Salts

Tablets-etc.-etc.

HOWARDS & SONS LTD · ILFORD near LONDON

# ALL BRITISH PRODUCTS

## Nipa ESTERS

ALWAYS RELIABLE



**NIPAGIN**  
**NIPASOL**  
**NIPASEPT**  
**NIPABUTYL**  
**NIPABENZYL**

**PRESERVATIVES  
AND ANTISEPTICS**

available in both  
Purified standardised  
and Technical Grades  
and as  
Sodium Compounds

**PROGALLIN (A and P) ANTIOXIDANTS**

available in both Purified-standardised  
and Technical Grades

**PHENOXYETOL THE SPECIFIC AGENT**  
against Gram-negative Organisms

Consult the Nipa  
Laboratories Service Department regarding  
your manufacturing problems and requirements  
for Preservatives, Antiseptics and Antioxidants

**NIPA LABORATORIES  
LIMITED**

TREFOREST TRADING ESTATE nr CARDIFF  
TEL : TAFFS WELL 128

Sole Distributors for the United Kingdom

**P. SAMUELSON & CO.**

Roman Wall House, 1 Crutched Friars, London, E.C.3  
Telephone : Royal 2117/8

**TUNGLOSE**  
BRAND  
PURE MEDICINAL  
**POWDERED GLUCOSE**  
(Dextrose Monohydrate)

*Ask your Wholesaler*



**TUNNEL GLUCOSE  
REFINERIES LTD.**

329 High Holborn, London, W.C.1

Telephone : Chancery 6524 (6 lines)

Works : Tunnel Avenue, Greenwich

THE  
SYMBOL  
OF



QUALITY  
AND  
SERVICE



*Aspirin Salicylates  
and Allied Products*

**Graesser Salicylates Ltd.**  
**SANDYCROFT NEAR CHESTER**  
Phone: HAWARDEN 2125 Grams: Quality Chester





# Be Prepared... for increased demand

More and more straw hats will be worn this Spring and Summer, and more and more women, influenced by extensive press advertising, will be asking for Luton Straw Hat Dyes.

Are your supplies adequate for this increased demand? If not, order now and be sure of profiting from this popular line that enjoys so many women-to-women recommendations!

## LUTON STRAW HAT DYES

SUPPLIED COMPLETE WITH BRUSHES FOR  
APPLYING THE DYE.  
DULL OR GLOSSY SERIES AVAILABLE.

★ NOTE PRESENT PRICES: Standard size 18/- per doz. Retail 2/- per bottle. Small size 13/6 per doz. Retail 1/6 per bottle. (P.A.T.A.) Both less 5% for cash in 7 days.

STANDARD RANGE  
OF 12 COLOURS

Attractive Shade Cards and  
howcards available. List  
of Colours sent on request.

WHITAKER & CO. (KENDAL) LTD. DYE AND CHEMICAL MANUFACTURERS KENDAL

JKL

Agar Agar  
Aloes  
Cantharides  
Cascara Sagrada  
Cochineal  
Condurango Bark  
Ergot of Rye  
Grindella Herb  
Liquorice  
Lobelia Herb  
Papain  
Peppermint Oil  
Sabadilla Seed  
Sarsaparilla  
Wild Cherry Bark  
Witch Hazel Leaves  
and all other Botanicals,  
Gums, Waxes, Essential Oils  
and Spices

### JOHN KELLYS (LONDON) LTD.

Gresham House, 24 OLD BROAD STREET, E.C.2

Telephone: London Wall 4882, 6585, 6586

Telegrams: "Ergotine, Stock, London"

Branches in New York and Hamburg

## DISPLAY OUTER WITH PROVED SALES RECORD



Backed by personal advertising to 7,000,000 readers weekly, this high-powered Besorbon display outer sells on sight. Big sales increases prove it. Used and trusted for 50 years, Besorbon, the year-round preventive remedy for Colds, Catarrh, Hay Fever, makes money for every chemist who displays it.

Stocked by principal wholesalers throughout the British Isles.

# BESORBON

KEMSALES LTD., 20 EASTCHEAP, LONDON, E.C



N.V. SOCIETEIT VOOR  
CHEMISCHE INDUSTRIE

**"KATWIJK"**

KATWIJK - AAN - ZEE  
HOLLAND

Producers of:

**CYCLOBARBITONE** (ACID & CALCIUM SALT)

**PENTAMETHYLENETETRAZOL**  
(LEPTAZOL. BP)

**DIPHANTOINE** (PURE, SODIUM, CALCIUM)

**SULPHA drugs**

London Agents:

**GREYER, BRECHEISEN & Co., Ltd.**  
BUSH LANE HOUSE, CANNON STREET,  
LONDON, E.C.4. Telephone: MAN 9030

Bombay Agent:

**STANDARD DRUG & CHEMICAL CO.,**  
174 Hornby Road, Fort, Bombay

Calcutta Agent:

**H. D. NAG, 36 Beniatola Lane, CALCUTTA**

Madras Agent:

**THE DOLLAR CO., 337 Thambu Chetty St.,**  
B. G.T. MADRAS

May we quote you for—  
**GLAUBER SALTS** B.P.

Pea Crystal and Feathery

**EPSOM SALTS** B.P.

Needle Crystals, Medium, Exsiccated

All grades conform to the 1948 B.P. Standard

Special Crystals matched and any degree of exsiccation to order. Packed for Home and Export

**HARRIS, HART & Co. Ltd.**

GREGGE STREET WORKS  
HEYWOOD, LANCs.

Telegrams:  
Harp, Heywood, Lancs.

Telephone:  
Heywood 6570



FOR PRESCRIPTION UNDER N.H.S.

**"MAWDUVITE"**

A VITAMINISED TONIC

SIZES: 5 oz., 20 oz., 40 oz.

AND 80 oz. BOTTLES

**D. MAWDSLEY & CO.**  
64 FAULKNER STREET · MANCHESTER 1

**POTASSIUM** CITY 4243  
**METABISULPHITE**

ALWAYS IN STOCK

L.R.B. PEARCE LTD., 3 BUCKLESBURY, LONDON, E.C.4

**Senna**

FROM OUR  
OWN GROWERS

Alexandrian & Tinnevely  
Pods, Leaves, Siftings  
John Ronalson & Co. Ltd.

110 Cannon St., London, E.C.4 Phone: MANsion Hse 1321

**TANNIC ACID**  
**AND DERIVATIVES**

(Bulk  
Supplies  
Only)

**THE BRITISH DYEWOOD COMPANY LIMITED**  
19 St. VINCENT PLACE, GLASGOW, C.1



**BEATSON**

BAKELITE CAPPED

*Champagne Oils*

These bottles greatly enhance the presentation of packed oils. They are available in 2½ oz., 5 oz., 10 oz., and 20 oz. capacities.



**BEATSON CLARK & CO., LTD.**

Glass Bottle Manufacturers

WATLING STREET, LONDON, E.C.4

Est. 1751

YORKS

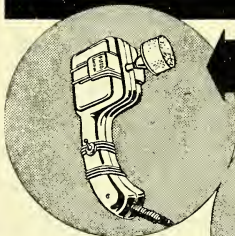
BC75

**RIGHT IN PRICE!  
PERFORMANCE!  
AND PROFIT!**

**PIFCO**  
**BEST SELLERS**



**HEAT MASSAGER**



**VIBRATORY  
MASSAGER**



**HAIRDRYER**

Write for fully illustrated  
Catalogue of exclusive Pifco Specialities

**PIFCO, LTD.**

WATLING STREET, MANCHESTER, 4

Our new London address:—

36-37, Upper Thames Street, E.C.4



# Never run out of Curicones!

There's always a steady demand for the remedy which thousands of Rheumatic sufferers have found the most reliable of all.

Once again its sales this season are showing a healthy growth. Many chemists have found a small counter display pay big dividends.

Why not try the effect of one yourself? Make sure you are carrying ample stocks of both the 5/6 and 26/5 size.

We still have small supplies left of our novel "weather indicator" showcard. It is most effective and surprisingly accurate. Send us your name and address for one and see the interest it attracts.



AND



**STEPHEN MATTHEWS & CO. LTD.**  
19/21 Farringdon Street, London, E.C.4

## 'SURCO'

RELIABLE

ELASTIC HOSIERY

(SEAMED and SEAMLESS)

SURGICAL BELTS

TRUSSES &amp; SUNDRIES

are backed by sound  
experience of over

### 50 YEARS

...if it's *SURGICAL SUNDRIES*..  
it's a safe rule to send your  
enquiries first to :—

**SURGICAL HOSIERY CO. LTD**

Russell St. NOTTINGHAM

Phone: 75903

Grams: **SURGICAL**  
NOTTINGHAM

# DENTAL STICKS ARE AVAILABLE

Dental Sticks are manufactured from various types of specially selected soft and hard woods and also from whalebone and are intended entirely for massaging the gums between the teeth.

**BRITISH DENTAL STICKS LIMITED**  
80 ELSWICK ROAD  
NEWCASTLE-ON-TYNE 4

## *Fine Chemicals & Drugs*

ADRENALINE  
AMIDOPYRINE  
BENZOCAINE  
CAFFEINE  
EPHEDRINE

PAPAIN  
P.A.S. SODIUM  
PEPSIN  
PHENAZONE  
PROCAINE



## *Essential Oils*

Aniseed, Bay, Cajuput, Juniper,  
Peppermint, etc.

Terpeneless Oils and Isolates

We also manufacture a wide range of  
*Floral and Speciality* type bouquets for all  
classes of trades.

**CHAS. ZIMMERMANN & CO., LTD.**  
**DEGA WORKS, WALMGATE RD, PERIVALE, GREENFORD, MIDDX.**

Phone: PERIVALE 9121 (4 lines) GRAMS · ACIDOLAN · GREENFORD MIDDX.

# CORK LINED SLEEVES

## CORRUGATED PULL-THROUGH BOXES

Compressed Paper Packing Limited

Horton Road - West Drayton - Middlesex

Telephone: WEST DRAYTON 2237

## Our NEW HILLCREST

National Advertising Scheme is now in progress

The striking illustrations of the new series will bring

## MORE SALES

★  
**BUY AND DISPLAY HILLCREST  
The TOILET ROLL  
that SELLS ON SIGHT**

HILLCREST Medicated Toilet Rolls are manufactured from Pure White tissue, banded with highly-glazed HILLCREST bands. (Sample on request)

Sole Manufacturers:—

**LIPTON'S PAPER MILLS LTD.**

Devonshire Works, Dukes Avenue, Chiswick, London, W.4

(Established 1898)





# BUSH

## *Synthetic, Fine & Pharmaceutical Chemicals*

*A Selection from our range*

ACETANILIDE  
ACETOPHENONE  
AMYL CINNAMIC ALDEHYDE  
ANETHOL  
ANISALDEHYDE  
AZO BENZENE  
BENZALDEHYDE  
BENZOIC ACID  
BENZOYL CHLORIDE  
BENZYL ACETATE  
BENZYL ALCOHOL  
BENZYL BENZOATE  
BENZYL CHLORIDE  
BENZYLIDENE ACETONE  
BROMSTYROL  
CINNAMIC ALDEHYDE  
CITRAL

CITRONELLOL  
COUMARIN  
DIPHENYLMETHANE  
EUCALYPTOL  
EUGENOL  
GERANIOL  
GUAIACOL  
HYDROXYBENZOIC ESTERS  
HYDROXYCITRONELLAL  
IONONE  
LINALYL ACETATE  
METHOXYACETOPHENONE  
PHENYLACETAMIDE  
PHENYLACETIC ACID  
ROSONE  
SODIUM BENZOATE  
TERPINEOL

## W. J. BUSH & CO. LTD.

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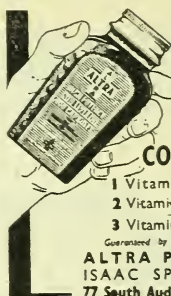
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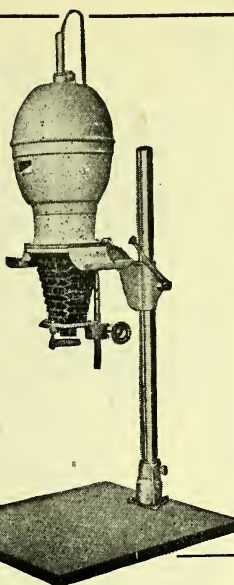
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SELL!  
PROFIT** *by these  
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Retail prices 3/6 & 10/6  
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5/- per 300 tablets



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CAPSULES**

**FOR DOGS AND CATS**

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GOOD PROFITS**

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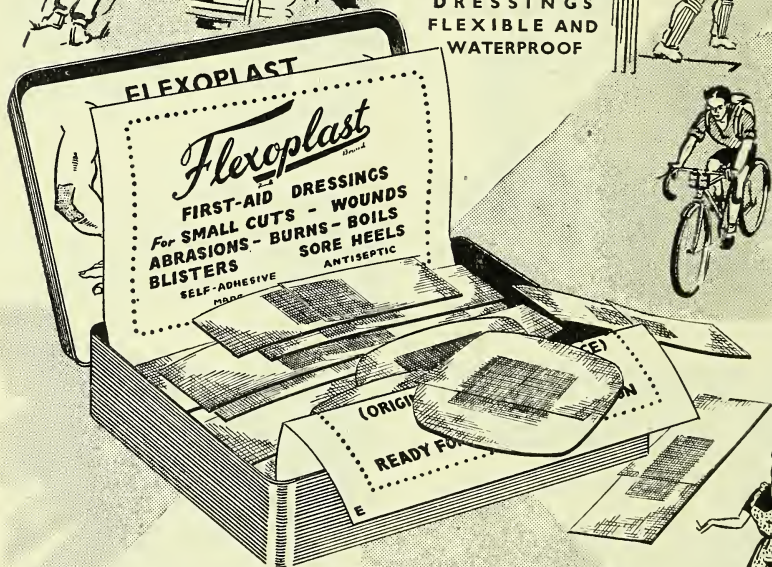
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Dating from the 16th century the clock has the customary single hand of that time. Above the dial is a recess with a man seated between two soldiers with spears, who hold in their other hands hammers with which they strike the quarter hours on bells beneath their feet. The figures are known as "Matthew the Miller and his two sons" because of a local legend of a miller who was so punctual in his daily tasks that neighbours could tell the time by him. Thomas Tyrer & Co. Ltd. have been producing chemicals since 1844, and these in their own field have a reputation for quality which equals that of Matthew the Miller for punctuality.



*Some of which are:—*

*Bismuth Carbonate and other Bismuth Salts.  
Iron Ammonium Citrate and other scale  
preparations. Hypophosphorous Acid and  
Hypophosphites. Potassium and Sodium  
Citrates. Zinc and Magnesium Stearates.*

**manufactured by**

# *Thomas Tyrer & CO. LTD.*

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OVER 45 MILLION



ADVERTISEMENTS WILL

APPEAR MARCH-APRIL

**STOCK NOW** to meet the demand created by the OTEG National Advertising Campaign. OTEG the DRY-SEALING EGG PRESERVATIVE—simply dip, dry and store in any box!

**Sole Manufacturers:**

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# The Silky Soft Absorbent Tissue that is preferred

B.I.F.  
STAND  
MII

# Vanity

**HANKIE TISSUES**  
RETAILS FROM 1/6d.

Tissues have come to stay—it's just a case of selling the BEST to make and keep customers. VANITY are produced by THE PAPER SPECIALISTS — packed attractively and come to you in display cartons worthy of your windows and counters.

**POCKET PACK** for Travel, School, etc.  
(24 large size White Tissues) 5d.

**BOUDOIR CARTONS** (100 in White or assorted Pastel colours) or Cellophane Wrapped 100 and 180; assorted shades if required.

**FREEDER BROTHERS PAPER MILLS**  
BRIMSDOWN, ENFIELD, MIDDLESEX

Telephone: Howard 1847 (3 lines)  
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## a palatable liquid preparation— containing the principal vitamins in an orange base

**A** LIQUID PREPARATION intended for use in conditions in which the need for vitamins is above the average. The form in which it is presented makes it ideally suitable for children; also for adults in febrile illnesses, or in infectious or other conditions of the pharynx where there is difficulty in swallowing.

### FORMULA

One teaspoonful (3.5 cc) contains:

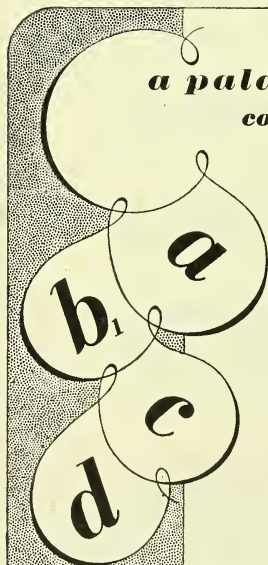
VITAMIN A	2,500 i.u.	VITAMIN C	10 mg.
VITAMIN B <sub>1</sub>	0.5 mg.	VITAMIN D	375 i.u.

### PRICES

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why *Wisdom*<sup>REGD.</sup> is the most  
profitable toothbrush line  
to stock



## TWICE-AS-QUICK TURNOVER

WISDOM is easily the largest-selling toothbrush, and it turns over roughly twice as quickly as its nearest competitor. So when you invest in Wisdom, you get your return back twice as soon. And Wisdom bonus schemes give you the biggest margin, too.



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MOST chemists agree that Wisdom display is more colourful, attractive and hard-selling than that for any other toothbrush. Put the Wisdom Merry-go-Round on your counter, and see how it peeps up your toothbrush sales.

*You need never be afraid to carry sizeable stocks of Wisdom. Turning over so quickly, it never sticks on your shelves.*

Be wise —  
sell *Wisdom*<sup>REGD.</sup>

THE QUICKEST-SELLING TOOTHBRUSH





# 11,000,000 WOMEN WILL SEE THIS ADVERTISING



Regular advertising in all the women's weekly and monthly publications is building up a big demand for these Adelaide Grey Proprietaries. Order a stock today.

## WAX-A-WAY & COOLWAX DEPILATORIES

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'Laleek' Coolwax is for use on the arms and legs. Economical to use and most effective. Retail at 5/9 including Tax.

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# The strut behind every 'ASPRO' display

THE BEST  
SELLER  
ON THE  
COUNTER



WHEN displays are backed with continuous national advertising—that's when they sell! Here's the support your 'ASPRO' display is getting:

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Large 'ASPRO' advertisements are continuously appearing in Britain's National, Provincial and Magazine press.

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Which means that THE PUBLIC will be getting the 'ASPRO' message everywhere. That is why

NATIONAL  
ADVERTISING

# 'ASPRO'

# DISPLAYS ARE SELLING DISPLAYS!

*Introducing*

# DR. JENNER'S ABSORBENT LOZENGES SEALTITE PACK

"Dr. Jenner's Absorbent Lozenges" are now available in the new Sealtite Pack shown here, in addition to the Standard Packings. The Sealtite Pack, retailing at 1/10½ including tax, holds five sealed transparent sheets each containing four separately sealed Lozenges. A sheet of four Lozenges can be conveniently carried in the pocket, and single Lozenges torn off as required. May we suggest a window display featuring this new hygienic pack. Write for show material and special display terms.

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GRAMS: "NUSALIN" SOUTHTOT  
LONDON



RETAIL PRICE

**1/10½d**

INC. TAX



EXPERT GUIDANCE IN . . .

# TRUSS FITTING

Under the National Health Service these appliances can be ordered on EC10 forms.

Pharmacists should be fully acquainted with the practical details involved in the supplying and fitting of them.

The informative series of articles on the subject recently published in "The CHEMIST AND DRUGGIST" have been reprinted in booklet form, "THE FITTING OF TRUSSES AND ELASTIC HOSIERY", which provides full information in concise detail. Copies should be handy for reference purposes in every pharmacy.

Supplies are now available at the following prices :—

Single copies . . . 1/6 post free. 1 doz. copies . . . 1/4 each post free.  
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# The camel's hump is chronic *but you can tell depressed customers* *about 'Cogene'*

**M**ost ordinary analgesics relieve *pain*. But far from alleviating the depression that accompanies many ordinary ailments, they often tend to increase it.

Not so 'Cogene.' 'Cogene' relieves swiftly and surely both pain and depression. Two extremely effective analgesic and antipyretic agents, the sedative and hypnotic codeine and the powerful stimulant caffeine combine synergistically to produce the maximum effect from the minimum dosage. Delicate systems therefore tolerate 'Cogene' well. You can confidently tell customers, who tend to be highly strung, about this C.F. product.

## FACTS ABOUT 'COGENE'

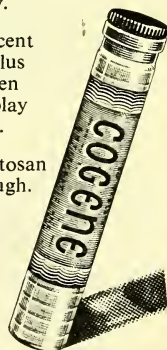
### Product :

A synergistic combination of Aspirin, Phenacetin, Caffeine and Codeine.

**Pack :** Containers of 10 or 20 Tablets to retail at 1/6 and 2/8 respectively.

**Profit :** 50 per cent on cost price plus 10 per cent when bought on display discount terms.

**Makers :** Genatosan of Loughborough.



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## GENATOSAN LTD

*Makers of better products for the community you serve*

GENATOSAN' MENTHOL & WINTERGREEN CREAM . 'SANATOGEN'  
'SYTE' EYE LOTION . 'GENASPRIN', ETC.

# a rare

. . . once classified as the 'common-or-garden' container, but likely to become a not-so-common specimen through near-extinction of the raw materials needed to produce new cases. So the only way to ensure continuation of the stocks they bring you is to preserve all good quality C.R.S containers for re-use. The C.R.S van will call regularly to add yours to the collection.



# CONTAINER

S.P.D. LIMIT

ase . . .



recovery service

ALISBURY SQUARE, LONDON, E.C.4



# YOU know they're good!

EVAN WILLIAMS SHAMPOOS are, as ever, a consistent selling line and one that pays for displaying. You know too, it has always been our policy to ensure stockists a square deal and a very generous profit. Keep one of our Display Packs on your counter... they, plus our publicity, will do the selling for you.

*Evan Williams*  
**SHAMPOOS**



SHOW THEM  
AND YOU'LL  
SELL THEM

EVAN WILLIAMS CO., LTD. Sales Dept. Aintree Rd., Perivale, Mdx.

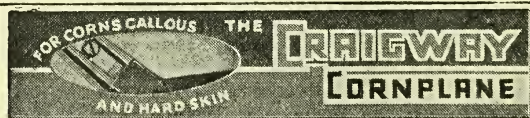
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For all ETHICAL MEDICAL PRODUCTS, DRESSINGS,  
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Van deliveries to all parts of Northumberland & Durham

**MAWSON & PROCTOR PHARMACEUTICALS LTD**

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Individually packed  
in cartons

**DISPLAY CARD OF 18**

RETAIL **2/3** PRICE

The remarkable success of the "Craigway" Corn Plane is due to the new principle involved. The angle of the blade is the secret. This new and profitable line only needs showing to SELL!

15/4 per doz. plus  
Purchase Tax  
Usual discount to  
Wholesalers

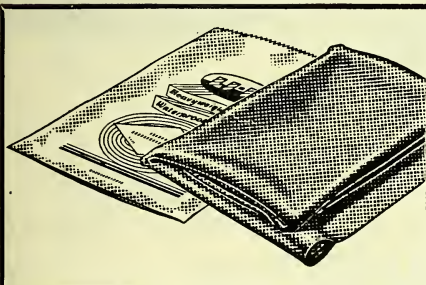
Sole Distributors:

**CRAIG & PARSONS LTD., 82, Stafford Road, Wallington, Surrey**

Phone: Wallington 3694



# for happy babies and healthy sales

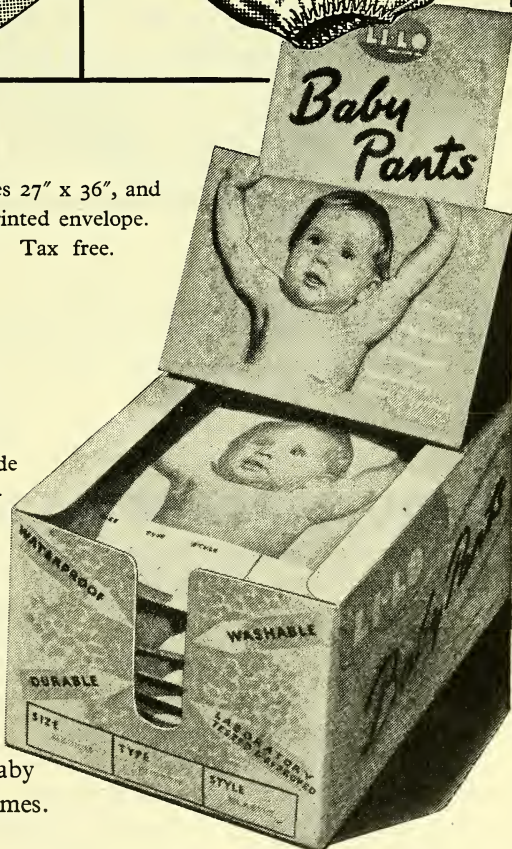


## LI-LO Waterproof Sheeting

in pink, blue or white rubber. Sizes 27" x 36", and 27" x 18" individually packed in printed envelope. Also in 25 yard rolls, 36" wide. Tax free.

## LI-LO Baby Pants

Superfine white rubber or frosted translucent plastic with elastic or open leg (medium and large sizes). The "Snappifit" (elastic leg with side fastenings) in plastic only. Individually packed in distinctive pink and white envelope. One dozen of a style and size to a cut-out display carton. Minimum lots of 6 dozen assorted. Tax free.



THE FAMOUS name of LI-LO ensures comfort and hygiene in baby products and reliability at all times.



## *Ferryman* OF SOUTHAMPTON

**add more premises — and increase their drug output!**

This additional modern factory is designed to produce increased quantities of galenicals, tablets, ointments, etc. Ferryman's Service for the South is therefore better equipped than ever for giving prompt attention to orders for drugs.

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(9 lines)

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Code: Bentley's.

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**COBDEN BRIDGE • SOUTHAMPTON**

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CONCENTRATED EXTRACTS OF:— BELLADONNA FOLIO  
BELLADONNA RADIX  
STRAMONIUM  
VALERIAN

## DRUG RESEARCH LABORATORIES

*Kashmir Government*

JAMMU TAWI (INDIA)

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# BOVRIL'S revolutionary NEW WEANING FOOD



**A certain  
quick-seller**

IT'S NEW. IT'S NOURISHING. It's in cube form. It's Bovril Brand Triturated Beef and Vegetable Weaning Food, for infants from 4 months to 2 years of age. The formula was evolved after consultations with baby specialists, and the Weaning Food was given a successful trial by a Home Counties group of hospitals.

**BOVRIL BRAND**  
Triturated Beef & Vegetable

## Weaning Food

Mothers will rush to buy this wonderful Weaning Food because :

- Baby's meal can be made in one minute.
- The prepared food is an easily digested soft and creamy purée.
- There's no possibility of food-infection.
- The retail price is 6d. for a packet of four cubes : a meal for a four-month-old baby costs only  $\frac{1}{2}$ d.
- It will be backed by large scale, large space national advertising.

RETAIL PRICE

**6<sup>D</sup>**

PER 4 CUBE  
PACKET

**varieties** BEEF & TOMATO · BEEF & CARROT  
& SPRING CABBAGE · BEEF & MIXED VEGETABLES  
(flavour wrapped in different coloured foil wrapper)

Full particulars of trade terms please write to BOVRIL LIMITED OLD STREET, LONDON, E.C.1

# 2 BOTTLES THAT MAKE PACKING EASY

## "OILTITE" DROP BOTTLES



Fig. 800

	$\frac{1}{4}$	$\frac{1}{2}$	1	2 ozs.
White or Amber	5/6	5/7	6/3	6/9 doz.

Packed in divisional boxes of 12 bottles.



Fig. 801

	$\frac{1}{4}$	$\frac{1}{2}$	1 oz.
Amber	5/6	5/7	6/3 doz.

(Ideal for Penicillin Eye Drops)  
Packed in divisional boxes of 12 bottles.

These are only two of the many useful and well made bottles in regular and constant supply.

Complete lists will gladly be sent on request to:

Actual Makers

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Dual purpose INFRA-RED and RADIANT HEAT apparatus. Simple in construction, this lightweight floor model is attractively finished in two colours: Ivory and Eau de Nil with Chromium plated fittings. Supplied against Doctor's certificate or for Professional use complete with Treatment instructions.

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Spare Burners 33/- each

### Sunshine at Will! 'SOL-TAN' "EMPIRE" ARTIFICIAL SUN-LAMP

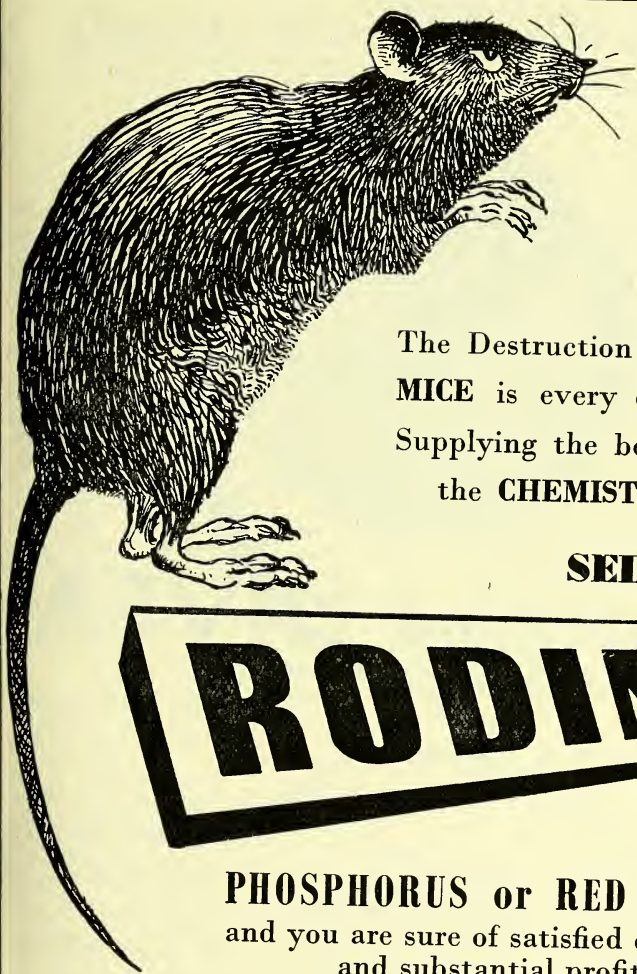
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List Price **£16.10.0** Complete  
Tax Free

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20-23 CURSITOR STREET, E.C.4. • CHANCERY 6488/9



The Destruction of **RATS** and  
**MICE** is every one's business.  
Supplying the best Raticide is  
the **CHEMIST'S** business.

**SELL**

**RODINE**

**P.A.T.A.**

**PHOSPHORUS or RED SQUILL**  
and you are sure of satisfied customers  
and substantial profits.

With **RODINE** there is no hit or miss —  
each and every batch is laboratory tested  
to ensure the strength and biological  
activity of the toxic chemicals employed.

Sole Makers :

**THOMAS HARLEY LTD.**  
**PERTH, SCOTLAND.**



# 9 ways to tell . . . 9 ways to sell . .



## 9-purpose NIVEA

ALL THE YEAR ROUND

*Telling NIVEA is all these things:*

HAND CREAM  
CLEANSING CREAM  
NIGHT CREAM  
POWDER BASE  
BABY CREAM  
SUN CREAM  
SOOTHING CREAM  
SPORTS CREAM  
A MAN'S CREAM

**Current**  
NIVEA advertising is  
emphasising the nine  
most important uses of  
NIVEA. Make sure you  
sell NIVEA for all its  
uses, **ALL THE YEAR  
ROUND**. Keep it on  
display for fast selling  
and steady profit.

*Selling NIVEA in all these ways:*

NATIONAL ADVG.  
GOODWILL  
NURSING PRESS  
MEDICAL PRESS  
SAMPLING  
FILMLETS  
BUS POSTERS  
WINDOW DISPLAYS  
SHOWCARDS

TELLING MORE PEOPLE . . . SELLING MORE NIVEA

HERTS PHARMACEUTICALS LIMITED, WELWYN GARDEN CITY, HERTS.

The



# CHEMIST AND DRUGGIST

for RETAILER — WHOLESALER — MANUFACTURER

APRIL 19, 1952

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Single copies 1/- each. Annual Subscription, which includes The Chemist and Druggist Diary and Year Book, £2

Volume CLVII

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## NEWS OF THE WEEK

**Summer Time Begins.**—Summer time begins on Sunday, April 20. Clocks should be advanced one hour at midnight April 20.

**Exemptions from Key Industry Duty.**—The Treasury have made an Order (S.I., 1952, No. 766), exempting the following articles from Key Industry Duty for the period April 22 - August 18:—*tert*Butyl benzoate, diethylene glycol monoethyl ether acetate, *o*-phenylenediamine, urea hydrogen peroxide.

**Dyestuffs Control Changes.**—The Board of Trade announces that Mr. G. E. Holman, C.B.E., has resigned from the honorary appointment of Dyestuffs Controller. The Dyestuffs Advisory Committee is now to be reconstituted and Sir William Palmer, K.B.E., C.B., is to become its independent chairman. The Dyestuffs Controller will be known as the Dyestuffs Office.

**Linseed Oil Duty Drawback.**—An Order (S.I. 1952, No. 699) effective from April 8 increases the rates of drawback Customs duty allowable in respect of imported linseed oil used in the manu-

facture of exported oil from £5 to £6 10s. per ton and (2) oil used in the manufacture of certain kinds of exported goods from £17 to £22 10s. per ton.

**First British Sulphur from Petroleum.**—For the first time in the United Kingdom, raw sulphur has been made from petroleum on a commercial scale. The sulphur is being recovered at the refinery of the Shell Petroleum Co., Ltd., Stanlow, Ches, from hydrogen sulphide produced as a by-product in the cracking of crude oil fractions. A sulphuric acid plant is being installed at Stanlow. That, in conjunction with a sludge decomposer to be erected later, will produce sufficient sulphuric acid to fulfil the refinery's requirements.

**Chemical Engineering Convention.**—The European Convention of Chemical Engineering, Frankfurt am Main, Germany, May 18-25, will include the twenty-fifth *Congrès International de Chimie Industrielle* of the *Société de Chimie Industrielle*, Paris, France; the twenty-seventh annual meeting of the *Deutsche Gesellschaft für chemisches Apparatewesen*.

E.V., Frankfurt am Main; the general meeting for 1952 of the *Gesellschaft Deutscher Chemiker*, Frankfurt am Main; and the Achema X chemical engineering and equipment exhibition. Twelve other European technical and scientific societies are taking part. Lectures will be given on "Principles of Chemical Engineering"; "Automatic Measurement and Regulation in Laboratory and Works"; "Continuous Chemical Processes"; "Extreme Conditions in Chemical Processes"; and "Corrosion and Materials of Construction." The exhibition will be held in eight Exhibition halls, covering 35,000 sq. metres.

## LOCAL NEWS

**Glasgow Medical Exhibition.**—The Glasgow Medical Exhibition is being held in St. Andrew's Hall, Glasgow, from May 26 to 30.

**Scientific Society Officers.**—The following officers of the Evans Scientific Society were elected recently:—*President*, Mr. W. J. Merrick, M.P.S.; *Vice-President*, Mr. C. W. Robinson, M.P.S.; and *Secretary*, Mr. R. H. Daly, B.Pharm, Ph.C.

**Retirement Presentation.**—Dr. T. H. M. Kerfoot (a director of Thomas Kerfoot & Co., Ltd.), recently presented Miss Clara Chubb, an employee of forty years' service, with a wireless set from the directors and staff as a token of appreciation on the occasion of her retirement.

**Praise for Contractors.**—At a meeting of the Worcestershire Executive Council held at Shirehall recently, the chairman (Mr. S. J. Melson) said that although there were isolated cases that had to come before the Pharmaceutical Service Committee the samples taken under the drug testing scheme in the county were a tribute to the pharmaceutical service.

**Remuneration Withheld.**—A Sheffield chemist who had supplied the wrong ointment on a Health Service prescription and who had lost the prescription of another patient has had amounts of £10 and £5 withheld from his remuneration by Sheffield Executive Council. The doctor had prescribed gauze and ointment for foot scalds but was astonished to find that the ointment supplied was one intended for treating foot rot, which he considered would have a detrimental effect. The chemist said that his assistant had received a wrong impression. The makers of the ointment had stated that the effects of its use would not be serious.

## IRISH NEWS

**Cost of N.H.S. in N. Ireland.**—A drop from £1,665,000 to £1,225,000 is shown in the 1952-53 estimate for pharmaceutical services issued by the Northern Ireland Ministry of Health and Local Government recently. That figure embraces the fees, expenses, allowances and other payments to chemists and others providing drugs and prescribed appliances and superannuation contributions in respect of dispensing doctors. The reduction in the vote is in anticipation of the shilling charge of prescriptions. The cost of drugs, dressings, medical and surgical supplies and appliances and equipment for the Hospitals Authority is estimated at £543,500 (£558,900 spent in 1951-52).

**Irish Drug Association.**—At a committee meeting of the Irish Drug Association held in Dublin on April 1, on the proposition of Mr. D. Woulfe (outgoing president) seconded by Mr. M. Costello, Mr. Gerald C. O'Neill, Blackrock, co. Dublin (vice-president), was unanimously elected *President* of the Association for the ensuing year. Other officers elected were *Vice-president*, Mr. T. R. Bourke (managing director, Hamilton Long & Co., Dublin); and *Treasurer*, Mr. T. C. Scott, M.D. Woulfe was elected a trustee. At a special meeting of members held on April 8 a report on representations made to the committee for increased wages and alterations in conditions of employment was considered. The President (Mr. G. C. O'Neill) explained from the chair, negotiations which had taken place with the Workers' Union of Ireland and the Irish Union of Distributive Workers and Clerks on wage increases. The Labour Court had intervened, and under the auspices of Conciliation Officer of the Court discussions took place with the two unions at certain proposals were tentatively agreed upon. The members of the unions subsequently accepted the proposals, and by majority the members of the I.D.A. agreed to the increases, which are as follows: Unqualified assistants (male and female) 6s.; increase on existing rates; qualified assistants or chemists (male and female) 8s.; qualified chemists covering a shop (male and female), 10s.; manager's bonus paid on turnover under £70 per week nil; £70 to £80, 3s. 6d.; £80 to £100, 10s.; £90 and over 15s. It was agreed that the increases would be retrospective from the week commencing February 25.



## BRANCH AND ASSOCIATION MEETINGS

**Inaugural Meeting.**—The inaugural meeting of the Epsom and Sutton Branch of the Pharmaceutical Society was addressed by Mr. T. Reid (a member of the Society's Organisation Committee) on March 11. The chairman of the new branch (Mr. C. H. Heard) thanked Mr. Reid for his guidance.

**Horticultural Films.**—Members of the Exeter Branch of the Pharmaceutical Society met at Barnstaple recently to see two films: "Pests and Diseases of the Garden" and "Soils." Mr. W. N. Boorne (chairman) presided, Mr. D. F. Wilson (Plant Protection, Ltd.) gave an address, and a discussion followed.

**Work of Council Committees.**—At the annual general meeting of the Dundee Branch of the Pharmaceutical Society on March 20, Mr. C. W. Macfarlane (a member of the Society's Council) gave an address on the work of the various committees of the Council, dealing in particular with the Ethical, Finance and Education Committees. Branch officers elected were:—*Chairman*, Mr. D. McKiddie; *Vice-chairman*, Mr. M. S. Maconochie; *Secretaries*, Miss E. Fyfe, 140 Albert Street, Dundee, and Mr. D. C. C. Wallace, 126 Hilltown, Dundee; *Auditor*, Mr. P. Ferrier.

**Make-up Lecture and Demonstration.**—At a meeting of West Middlesex Chemists' Association and Branch of the Pharmaceutical Society held in Ealing on March 18 a representative (Mrs. Page) of Richard Hudnut, Ltd., London, gave an address in which she showed the relationship between the development of "fashion consciousness" and that of make-up. A mannequin parade followed the lecture and Mrs. Page recommended the appropriate make-up for each mannequin. A demonstration of home permanent waving was then given by Mr. and Mrs. Hicks (Richard Hudnut, Ltd.).

**N.H.S. Lecture at Leeds.**—At a meeting of the Leeds Branch of the Pharmaceutical Society recently, Mr. W. E. Stokes (a member of the Central N.H.S. (Chemist Contractors') Committee) spoke on "The Pharmacist and the National Health Service." He advocated larger retail pharmacy units with two or three pharmacists, to give a longer daily service without reliance on the individual pharmacist and with more freedom for holidays. It would

need, he said, an Act of Parliament to apply the shilling levy to hospital outpatients. The introduction of the levy would in his opinion make the introduction of a bottle-deposit system impossible, and give chemists good grounds to ask for a review of the container allowance.

**Hypnotherapy Explained.**—At a meeting of the Liverpool Chemists' Association and Branch of the Pharmaceutical Society held recently, Mr. R. E. Cocking (a member of the British Association of Therapeutic Hypnotists) gave an address on "Hypnotherapy." Mr. L. A. Butt presiding. Mr. Cocking outlined the history of hypnosis and pointed out that a person could not be hypnotised against his will. Hypnosis had been used for operations in prisoner-of-war camps, where anaesthetics were not available. There were two ways of inducing hypnosis: By talking while the subject concentrated on a bright object; and by flicking the fingers and talking whilst the subject was standing. The speaker's associate (Miss Bradley) demonstrated self-induced hypnosis, and was found to be completely hypnotised when certain tests were applied by some of the more sceptical members of the audience. Mr. Cocking demonstrated on six members of the audience.

**Talk on Pricing.**—At a joint meeting of the Exeter Branches of the Pharmaceutical Society and National Pharmaceutical Union on March 7, Mr. W. H. James, Sidmouth, in the chair, Mr. D. M. Jennings, M.P.S. (superintendent, Bristol Pricing Bureau) described errors made by some contractors in submitting accounts, thus adding to the pricing officers' work. Incorrect declarations of details on forms EC34 (part A) and EC38 were still occurring, he said. Contractors were asked to observe the regulations in the Drug Tariff, in particular those concerned with claims for payments for broken bulk, penicillin prescriptions, elastic hosiery and trusses, and out-of-pocket and other allowances. When oxygen equipment was supplied on hire, and had been retained by the patient for more than fourteen days, immediate notice should be given to the Executive Council. Notice should also be given when fittings were returned. Contractors should ensure that payments on account for expensive items (see *C. & D.*, March 15, p. 334) were within the regulations before forwarding them to the bureau.

**Portsmouth N.P.U. Branch.**—The annual meeting of the Portsmouth branch of the National Pharmaceutical Union was held at Southsea on April 4. The following officers were appointed: *Chairman*, Miss X. Darling; *Vice-chairman*, Mr. M. A. Guernier; *Secretary*, Mr. J. C. Bloomfield, 185 Fratton Road, Portsmouth; *Treasurer*, Mr. P. Smith. It was reported that a salvage drive organised during the year had realised £82. It was agreed that £25 each should be donated to the Pharmaceutical Society's Benevolent fund, the Widows' and Orphans' fund, and Birdsgrove House. An address on "Management Problems in Business and Industry" was given by Mr. R. F. H. Banister (lecturer in the management studies department, Portsmouth Municipal College). The speaker detailed the work of personnel officers, and the special techniques devised to assess, in interviews, a candidate's suitability for a particular post. A vote of thanks to Mr. Banister was carried on the proposition of Mr. J. C. Bloomfield, seconded by Mr. R. G. Tremlett.

#### Problems of Manufacturing Pharmacy.

At a meeting of the Hounslow Branch of the Pharmaceutical Society held in the premises of Parke, Davis & Co., Ltd., Hounslow, on March 11, Mr. J. A. Freeman (the company's assistant general manager for production and development) gave an address on "Manufacturing Pharmacy." Mr. W. H. Bowden presided. After making reference to the presence of Mr. Lawson, aged ninety four, a local pharmacist and the oldest in practice in the country, Mr. Freeman said that the pharmacists present had belonged in their student days to the "plaster," "vegetable" or "chemical" ages, but whatever student age they represented it was the peculiarity of their profession that there would be something new to learn tomorrow. Mr. Freeman contrasted retail dispensing with bulk manufacturing. The change from the preparation of a few ounces to that of several tons of material, he said, introduced problems of stability, accuracy, and engineering. Liaison between sales production and other departments was essential. The "science of good housekeeping" was the heart of successful manufacturing.

**Review of Cortisone and ACTH.**—In an address to the East Metropolitan Branch of the Pharmaceutical Society, on March 5, Mr. R. W. Richards, B.Pharm., Ph.C.,

outlined the course that led to the discovery of cortisone and ACTH, and the results they brought about in rheumatoid arthritis and other so-called diseases of adaption. He emphasised the difficulties of commercial production, and said that though they were available in the United States, their price put them beyond the means of all but the wealthy. A Mexican firm had, however, developed a route to the commercial production of cortisone from diosgenin (a steroid found in the root of the Mexican yam) that involved only twenty stages in synthesis, against thirty seven in the original. American firm manufacturing cortisone from animal sources had so improved their methods in recent months that they also were able to produce cortisone in something like twenty stages. No one had begun the commercial synthesis of cortisone in Britain though one company had commenced in France. Before the lecture a film "Modern Drug in the Making" was shown.

#### Second Welsh Dinner Conference.

Mr. F. C. Wilson (president of the Pharmaceutical Society) was the principal guest and speaker at the second annual dinner conference of Denbighs and Flintshire pharmacist contractors held at Rhyl on March 27. Mr. D. Emlyn Jones, Wrexham, presiding in the absence through indisposition of Mr. H. Crabbe Davies (chairman of the two-counties Pharmaceutical Committee), proposed "The Pharmaceutical Society," and Mr. Wilson dealt in his reply with the duties devolving upon members of Pharmaceutical Committees, in common with other professional bodies, in sharing the responsibilities of administering the National Health Service. He stressed the importance of professional co-operation and fellowship, notwithstanding competition between pharmacists, and urged that the value of rota service to the community should not be undermined by non-adherence to the list arranged. There was, he considered, a need for an increase in pharmacist representation on hospital management committees. Mr. G. R. Knowlton, Wrexham, proposed "The Visitors and Guests," to which responses were given by Messrs. R. S. Ninian, F.R.C.S. (surgeon-in-charge, Maelor General Hospital) and J. H. Williams, Colwyn Bay (chairman of the Pharmaceutical Society Committee). Mr. R. Evans Thomas, Mold, acted as toastmaster and Mr. Frank Ellis, Wrexham (secretary to the committee) organised the conference.

## TOPICAL REFLECTIONS

### Pioneers in Sheffield

The business in Sheffield registered as Associated Chemists (Wicker), Ltd. (pp. 511-12) is the outcome of a pioneer effort deserving complete success. The formation of a company of "private" chemists for the purposes indicated in your descriptive article is as important an event as any of recent date in British pharmacy. These purposes may be summed up as (1) a longer day of dispensing service, and (2) a better dispensing service than is likely to be given in health centres, however expensively they may be built. We can all sympathise with the new company in its long wait for licences to convert the premises selected: the familiarity of the experience does not lessen its inconvenience. Your illustrations and diagram show that the layout is excellent; and I note that space is available for future developments. The hours of service are a feature that will be scrutinised by pharmacists in other large cities and towns. A business weekday beginning at 9 a.m. and ending at 10 p.m. is justified by the fact that pressure of prescriptions is heaviest between 7 and 10.30 p.m. This pressure is in accord with experience elsewhere when business hours were longer than now, and follows naturally from the habits of patients who visit doctors' surgeries. About the need for Sunday attendance from 2 to 8 I am not so sure: it may be found that a short afternoon period, with an interval before the evening, meets normal requirements. However, a detail of this kind can be adjusted. May good fortune attend them!

### International Friendship

News on pp. 493 ("Tour of French lecturers") and 504 ("Franco-British Commission") shows progress made in associating the practice of pharmacy in Great Britain with the corresponding practice in France. Both the distinguished French pharmacists who are lecturing in some of our provincial centres near the end of this month were present at the Franco-British Congress of Pharmacy held at Brighton last year, and will be welcomed by old friends. Attendances at their lectures, I trust, be satisfactory. At its meeting in London a few weeks ago the Franco-British Commission discussed "suggestions for an international federation of pharmaceutical manufacturers, exchange of research workers, award bursaries, and cure reciprocity in registration." Steps

can be taken without any prohibitive difficulty in most of these directions. But reciprocity in registration is in another category. There we have to reckon with the laws of France, which at present form an insuperable obstacle. As mentioned, I believe, some years since, a case bearing on this barrier once came to my knowledge. The situation should be watched by the Council of the Pharmaceutical Society. One reads with amusement that the B.B.C. French service has allotted twelve minutes to an account of the work of the Commission. Whether a similar attention will ever be paid in English remains to be heard.

### Pharmaceutical Students' Conference

The tenth annual conference of the British Pharmaceutical Students' Association (pp. 514-16) was, it seems, more filled with events and more largely attended than any of its predecessors. The names of the principal speakers at the three sessions were a guarantee of something worth hearing. In order of appearance (as theatre programmes put it) they were Mr. G. E. Trease, Mr. A. W. Bull, Dr. G. I. Hobday, Dr. M. W. Partridge, Dr. J. M. Rowson and Mr. F. W. Adams. One statement made in the brains trust session and one resolution adopted in the open forum call for friendly comment. A speaker in the brains trust is reported as saying: "I feel that the [Pharmaceutical] Society has lost interest in pharmacists. Its interest is in itself." That forthright statement does not quite express what many, perhaps most, observers think. The point was better put by a pharmacist at the Cardiff meeting of the British Pharmaceutical Conference in 1930: he could imagine, he said, action that would be to the benefit of the Society rather than to that of pharmacists. The danger remains, and needs to be borne in mind. A resolution carried in the open forum expressed "increasing horror" at "the entry into schools of pharmacy of persons with no previous experience of pharmaceutical techniques." I do not see how this admission of persons lacking a modicum of the desired technique can be prevented. There will always, we may expect, be a range of acquirement in beginners at schools, from proficiency down to zero. If a student has the root of the matter in him, he can be taught, even if at the outset he hardly knows which end of a microscope is which. **Xrayser**



## NEW COMPANIES

**A. G. GILES, LTD. (P.C.).**—Capital £1,000. To carry on the business of chemists, druggists and librarians, etc. Jessie A. Giles and Kenneth R. Boyle, M.P.S., directors. R.O.: Winchester House, Granville Road, Totland Bay, Isle of Wight.

**B. J. RICHARDSON & SON, LTD. (P.C.).**—Capital £2,000. To carry on the business of chemists and druggists, etc. Basil J. Richardson, M.P.S., and James T. Parker, directors. R.O.: The Freshwater Pharmacy, Gate Lane Freshwater Bay, Isle of Wight.

**COOPER LABORATORY, LTD. (P.C.).**—Capital £100. Objects: To carry on the business of manufacturing and analytical chemists, druggists and perfumers, etc. George A. Coates and George W. Brownlee, directors. R.O.: 62 London Wall, London, E.C.2.

**WIDNES OLEUM CO., LTD. (P.C.).**—Capital £100. To carry on the business of chemical manufacturers; to enter into an agreement with Thomas Hedley & Co., Ltd., of the one part and Peter Spence & Sons, Ltd., of the other part; and in particular to manufacture sulphuric acid, etc. Robert C. Wood, George H. Walton, Raymond H. Greenly, Francis D. Spencer, Frank S. Poole and John Maddock, directors. R.O.: Phoenix Buildings, Newcastle-on-Tyne.

## Company News

**PEST CONTROL, LTD.**—No dividend is to be paid on the ordinary shares for the year ended September 30, 1951 (against 10 per cent. in the previous year).

**HOWARDS & SONS, LTD.**—Trading profit for year ended December 31, 1951, was £211,180 (against £140,453 in 1950). Net profit, after tax, was £105,729 (£81,433). To general reserve, £61,000 (£35,922). Ordinary dividend, 15 per cent. (same).

**ALBRIGHT & WILSON, LTD.**—Group profit for 1951, after all charges including tax, was £754,308 (against £654,361 in 1950) of which £370,151 was earned by overseas subsidiary companies. A 10 per cent. second interim dividend on ordinary shares is to be recommended as the final, making 15 per cent. for the year.

## Voluntary Liquidations

**THOMAS RIDLEY & SON (CHEMISTS), LTD.,** 10 Victoria Place, Carlisle. Liquidator: Mr. D. Graham, of the same address.

**PAREKEM INDUSTRIAL CHEMICALS, LTD.** 172 Upper Brook Street, Manchester, 19. Liquidator: Mr. L. R. Wilkinson, 17 Tod Street, Manchester, 3.

**THE COOPER LABORATORY, LTD.,** manufacturing chemists, Rickmansworth Road, Watford. Liquidator: Mr. A. S. P. Coffin, Hyde House, West Hyde, Rickmansworth, Herts. [A new company has been registered; see opposite column.]

## BUSINESS CHANGES

**D. T. EVANS, LTD.,** Margate, Kent, are opening their branch at 12 Cliff Terrace, Cliftonville, about Whitsuntide for the duration of the season.

**HARKER STAGG, LTD.,** Emmott Street, London, E.1, request that all communications should be sent to them in future to that address.

**RIKER LABORATORIES, LTD.,** 29 Kirlwhite Street, Nottingham, have registered the telegraphic address: Riker Nottingham.

THE postal address of the management secretaries of the Health Service Whitley Councils is 14 Russell Square, London, W.C.1 (telephone: Museum 6811).

**BATHGATE & Co., LTD.,** 17 Old Court House Street, Calcutta, India, have closed their London office at 39 Victoria Street, S.W.1. Correspondence should be addressed in future to Calcutta.

**THE UNITED AFRICA COMPANY, LTD.,** Uliver House, Blackfriars, London, E.C.4, have appointed Mr. J. C. Mottram, M.P.S., to be manager of their retail and wholesale pharmaceutical department (The Kingsway Chemists, Ltd.), in Aba, Eastern Nigeria.

**EVANS MEDICAL SUPPLIES, LTD.,** Spence Liverpool, 19, have made the following staff changes:—Mr. D. L. Rees, M.P.S., becomes manager of the chemists' and hospitals' sales departments, Mr. F. Mellor, manager of the bulk sales department, and Mr. R. S. Bates, manager of the agencies department.

**MESSRS. G. WILLIAMSON** (until recently manager of the Glasgow branch office of Pharmaceutical Specialities (May & Baker Ltd.), and J. R. Cook, M.P.S. (former medical representative of the company in north-east Scotland) are taking up executive posts with May & Baker (New Zealand), Ltd.

## THE WEEK IN PARLIAMENT

By a Member of the Press Gallery, House of Commons

MR. JOHN TILNEY raised the question of the restricted export of pharmaceutical products to Hong Kong in an adjournment debate on April 7. It was a matter, he thought, which later would affect many people in Britain indirectly. If the purpose of essential supply certificates for drugs supplied to Hong Kong was to hurt the enemy in Korea, to withhold essential drugs from him, and to shorten the war, then its "high purpose" was being defeated, because the regulations applied only to the U.S.A., the United Kingdom, Canada, Australia and New Zealand. In January the imports into Hong Kong from the United Kingdom of pharmaceuticals which would have required essential supply certificates sent from Britain, represented no less than 92.78 per cent. of the total imports from France, and the percentages from Germany and Italy were as great as 74.38 and 89.5. Surely strong pressure could be brought on "our colleagues in the United Nations, and especially our partners in the North Atlantic Treaty Organisation, to ask the Hong Kong Government to apply for essential supply certificates to all pharmaceuticals imported into Hong Kong."

MR. A. T. LENNOX-BOYD (Minister of State for Colonial Affairs), replying, expressed the hope that other nations would follow Britain's example.

### Prescription Costs in West Yorkshire

MR. H. CROOKSHANK (Minister of Health) told DR. A. D. D. BROUGHTON, on April 9, that the average cost of prescriptions in the West Riding of Yorkshire in 1948-49-50, were respectively, 2s. 3½d., 18½d., and 2s. 11d. The average cost during the period January-May 1951 was approximately 3s. 2d.

### National Health Service Bill

During the Committee stage of the debate on the National Health Service Bill on April 8 and 9, the following amendments on charges for certain drugs, medicines and appliances were put by the Opposition. They were lost after debate, the voting figures being shown in parentheses.

No such charge for an appliance shall exceed one-quarter of its cost to the Minister or the sum of £1 which ever be the less" (255; 276).

No such charge for drugs or medicines shall exceed sixpence" (252; 277).

That the charges which shall be made in respect of the supply of appliances to nationals

of foreign countries shall in no case be less than will represent the full cost of the supply of such appliances to the persons" (22; 237).

"No medical practitioner shall be required to make or recover any charge" (263; 284).

"No chemist shall be required to determine the amount of any charge" (265; 283).

"No hospital management committee, board of management or board of governors shall be required to make or recover any charge" (259; 276).

### Mercury Teething Powders

MR. J. HYND asked the Minister of Health, on April 10, whether he was aware of the widespread sale of children's teething powders containing mercury although no reference to the mercury content appeared in the printed analysis.

MISS PATRICIA HORNSBY-SMITH (Parliamentary secretary to the Minister of Health) told him that if he gave her particulars of the cases he had in mind she would bring them to the attention of the Pharmaceutical Society, who had the duty of enforcing the appropriate section of the Pharmacy and Medicines Act, 1941.

## LEGAL REPORT

**Prison for Assistant Manager.**—Pleading guilty at Marlborough Street, London, Magistrates' Court, recently, to obtaining a total of £25 from his employers, Duncan Harris, chemists, by virtue of false receipts for purchases which he had not made, a United States citizen, Milton Lionel Newton, who had been employed as an assistant manager at the firm's premises in Broadwick Street, Soho, was sentenced to six months' imprisonment. Newton, who was said by the police to have had convictions for crime in the United States, asked that eighteen similar offences should be taken into consideration, the total amount involved being £100. A detective-inspector said that Newton had falsified receipts for purchases he had made to complete prescriptions. He had said that the money had been used by him as expenses while his wife saved his salary of £8 per week plus bonus. Defending counsel said that when Newton came to England in 1940 to offer an invention to the British Government, the U.S. Embassy had refused to acknowledge him because he had violated the conditions of his passport. As a result of that he had been interned for four years.

## MARRIAGES

ANDERSON—YEOMAN. — At Rosemount Church, Aberdeen, on March 29, Herbert William Anderson, M.P.S., 8 Chestnut Row, Aberdeen, to Norma Johnston Yeoman, 142 Hilton Drive, Aberdeen.

McMORROW—KENNEDY.—At St. Mary's Church, Haddington Road, Dublin, recently, Kevin McMorrow, B.A., LL.B., to Ethna M. T. Kennedy, L.P.S.I., Bunna-crana House, Curry, co. Sligo.

ORR—HICKEY.—At Christ Church, Chiswick, London, recently, Ian Orr, M.P.S., Tantallon, St. Leonard Street, Lanark, to Dora Hickey, Turnham Green, Chiswick.

## DEATHS

AUBREY. — Recently, Mrs. Florence L. Aubrey, Roseneath, Malvern Road, Worcester (widow of the late Mr. H. J. Aubrey, M.P.S., the Cross, Worcester), aged eighty-two.

CLEGG.—On April 12, Mr. John Clegg, M.P.S., Bordon Pharmacy, High Street, Bordon, Hants. Mr. Clegg qualified in 1905.

FARMER.—At 40 Newlands Avenue, Radlett, Herts, suddenly, on April 13, Mr. Ernest Harold Farmer, D.Sc., F.R.S. (senior organic chemist of the Rubber Producers' Research Association).

GIRGIS.—Recently, Mr. Shafik Girgis, M.P.S., 62 Finlay Street, Fulham, London, S.W.6. Mr. Girgis qualified in 1927.

HALLIWELL.—On March 23, Mr. George Halliwell, M.P.S., Ackworth, Birches Road, Codsall, Staffs. Mr. Halliwell qualified in 1928.

JONES. — On April 2, Mr. Richard Robinson Jones, M.P.S., 41 North Drive, Rhyl, Flints, aged eighty-three. Before retiring Mr. Jones was in business at Amlwch and Llangefni, Anglesey.

McPHERSON.—On April 10, Mr. Tom O. McPherson, Baron Hill, Forfar, Angus. Mr. McPherson was apprenticed with Mr. J. R. Abel, M.P.S., Forfar, and after working for a time in Edinburgh, emigrated to South Africa and entered the service of a firm of wholesale chemists in Queenstown. He was seventy-seven and unmarried.

PARKINSON.—On March 17, Mr. Arthur Charles Parkinson, M.P.S., Atherstone, Warwicks, aged sixty-six.

PENMAN.—On March 10 (his eighty-second birthday), Mr. Edward Wright Pen-

man, M.P.S., Berriedale, Coronation Road, Prestbury, Cheltenham, Glos.

RAFFAN.—Suddenly, on April 10, Mr. John Raffan, M.P.S., 18 Duke Street, Huntly, Aberdeens, aged seventy. He had been in business in the town for over forty years, and is survived by his widow, three sons and two daughters.

REEKS. — On April 6, Mr. Herbert Reeks, 36 Imperial Road, Exmouth, aged seventy-three. Mr. Reeks qualified as a chemist and druggist in 1902. "Jimmy" Reeks, as he was affectionately called by his colleagues, was a lover of his craft and a keen amateur botanist. He loved to discuss the identity of a specimen brought to him, and was rarely stumped on such questions. Handicapped by deafness he had few direct contacts with customers, yet was throughout his career a credit to his profession.

THOMSON.—In hospital, on April 11 after a long illness, Mr. John James Thomson (for many years representative with Lorimer & Moyes, Ltd., sundriesmer Montrose Street, Glasgow).

## WILLS

MR. A. J. H. BACON, M.P.S., 193A Stoke Lane Stoke Bishop, Bristol, left £4,249 (£3,843 net).

MR. W. A. TUCKNOTT, M.P.S., 10 Bridge Street Newhaven, Sussex, left £27,692 (£27,618 net).

MR. G. CROMBIE, M.P.S., 18 Brighton Road Crawley Sussex, left £15,050 (£12,810 net).

MR. H. STOUT, M.P.S., 57 Broad Street, Peleton, Salford, 6, left £8,287 (£7,180 net).

MR. T. W. WALMSLEY, M.P.S., 110 Great Horton Road, Bradford, left £2,256 (£2,210 net).

MISS D. M. BURBANK, M.P.S., 116 Walter Street, Oxford, left £950 (£302 net).

MR. W. G. JOHN, M.P.S., 27 Margaret Street Abercynon, Glam, left £10,013 (£9,910 net).

MR. A. JOAILLET, M.P.S., 158 Thatto Hall Road, St. Helens, Lancs, left £2,475 (£2,196 net).

MR. A. CATTO, M.P.S., 4 Nutley Close, Goring-by-Sea, Sussex, left £13,469 (£11,139 net).

MR. R. M. H. WARD, M.P.S., 107 Saugh Road, Blacon, Chester, left £11,421 (£11,392 net).

MR. C. GEDDES, M.P.S., 341 Torquay Road Paignton, left £16,034 (£11,553 net).

MR. E. T. SHARP, M.P.S., 98 Broom Road Teddington, Middlesex, left £1,019 (£970 net).

MR. E. GRAHAM, M.P.S., 16 Wellington Road Horfield, Bristol, left £4,782 (£4,727 net).

MR. H. W. CAMMELL, M.P.S., 116 Church Lane Selston, Notts, left £4,578 (£4,547 6s. 4d. net).

MR. E. C. CARSON, M.P.S., Hazeldean, Station Road, Leatherhead, Surrey, left £873 (£833 net).

MR. C. H. MAITLAND, M.P.S., Clovelly, Bournemouth Road, Ches, left £4,991 (£4,936 net).



## COMING EVENTS

### Monday, April 21

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Polygon Hotel, Southampton, at 7.30 p.m. Annual meeting.

VEST KENT BRANCH, PHARMACEUTICAL SOCIETY, Central Library, Beckenham, Kent, at 8 p.m. Meeting to instruct Branch's representatives relative to the Society's Branch Representatives' Meeting.

### Tuesday, April 22

EASTBOURNE BRANCH, PHARMACEUTICAL SOCIETY, Plummer's Restaurant, Terminus Road, Eastbourne, at 7.30 p.m. Annual meeting and illustrated address "Wild Life in My Garden—and Yours," by Mr. W. J. C. Murray.

INCHLEY AND DISTRICT DIVISION, NORTH LONDON PHARMACEUTICAL ASSOCIATION and BRANCH, Bull and Butcher, Whetstone (Totteridge Corner), Middlesex, at 8 p.m. Annual meeting.

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, Central Technical College, Birmingham, at 3 p.m. Professor M. Guillot on "Pharmaceutical Education in France," Imperial Hotel, Birmingham, at 8 p.m. (in conjunction with Birmingham Branch, Pharmaceutical Society), Mr. R. L. J. Morice on "Pharmaceutical Organisation in France."

HARROW BRANCH, PHARMACEUTICAL SOCIETY, Oak Hall, Baptist Church, College Road, Harrow, at 7.30 p.m. Branch meeting.

SUNDERLAND BRANCH, PHARMACEUTICAL SOCIETY, Christ Church Hall, 8 The Cloisters, Mowbray Road, Sunderland, at 7.30 p.m. Annual meeting.

### Wednesday, April 23

SOUTHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Bunyan Room, Harpur Street, Bedford, at 7.30 p.m. Film: "Chloromycetin, the first Synthetic Antibiotic" (by courtesy of Parke, Davis & Co., Ltd.).

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, Central Technical College, Birmingham, at 11 a.m. Professor M. Guillot on "The Use of Radioisotopes in Clinical Biology."

GLASGOW AND SOUTH-WESTERN SCOTTISH BRANCH, PHARMACEUTICAL SOCIETY, 220 St. Vincent Street, Glasgow, at 7.30 p.m. Annual meeting.

NATIONAL ASSOCIATION OF WOMEN PHARMACISTS, 7 Bloomsbury Square, London, W.C.1, at 7 p.m. Annual meeting.

### Thursday, April 24

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, College of Technology, Leicester, at 11 a.m. Professor M. Guillot on "The Use of Radioisotopes in Clinical Biology." At 3 p.m., Professor Guillot on "Pharmaceutical Education in France." At 7.30 p.m. (in conjunction with the Leicester Branch of the Pharmaceutical Society), Mr. R. L. J. Morice on "Pharmaceutical Organisation in France."

LIVERPOOL CHEMISTS' ASSOCIATION and BRANCH, Radiant House, Bold Street, Liverpool, at 7.30 p.m. Film: "Muscle Relaxants" (by courtesy of Pharmaceutical Specialities (May & Baker), Ltd.), presented by Dr. E. W. Tapley.

KINGS VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston-on-Thames, at 7.45 p.m. Annual meeting, and Mr. W. A. Moss (technical adviser to the Northcote Photo Works, Teddington) on "Whole Photo Finishing Technique."

PROPRIETARY ARTICLES TRADE ASSOCIATION, Connaught Rooms, Great Queen Street, Kingsway,

London, W.C.2, at 3 p.m. Fifty-sixth annual meeting.

### Friday, April 25

BIRKENHEAD AND WIRRAL PHARMACISTS' ASSOCIATION, Central Hotel, Birkenhead, at 8 p.m. Annual meeting.

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, Technical College, Bradford, at 3 p.m. Professor M. Guillot on "Pharmaceutical Education in France." Midland Hotel, at 7.30 p.m. (in conjunction with Bradford Branch of the Pharmaceutical Society), Mr. R. L. J. Morice on "Pharmaceutical Organisation in France."

### Saturday, April 26

FRANCO-BRITISH PHARMACEUTICAL COMMISSION, Technical College, Bradford, at 10 a.m. Professor M. Guillot on "The Use of Radioisotopes in Clinical Biology."

## PERSONALITIES

MR. GEO. CHECKLEY, M.P.S., has been re-appointed for the third time vice-chairman of the Eastbourne Executive Council. The appointment is for three years.

MR. J. H. TRANMER, M.P.S., Huddersfield, gave a talk on medicinal drugs, illustrated by a film to the Huddersfield Rotary Club on March 31.

MR. E. D. ALLMAN, representative of C. J. Hewlett & Son, Ltd., London, E.C.2, in the southern counties of England, retired on March 31, after twenty-eight years' service with the company.

MR. ERNEST RAWSON (manager, bottle-washing department, pharmaceutical section, Boots Pure Drug Co., Ltd., Beeston, Notts) was recently presented with a cheque in recognition of his fifty years' service with the company.

MRS. THELMA L. MCNICOL (the recently elected chairman of the Hull Chemists' Association), is the daughter of the late Mr. R. B. Sawyer, with whom she served her apprenticeship at his shop in Waterworks Street, Hull. She was educated at the Hull High School for Girls, and qualified from the College of Pharmacy of the Pharmaceutical Society in 1931. Until her father's retirement Mrs. McNicol worked with him, after which she became pharmacist at the Scarborough Hospital until her marriage. She then became pharmacist at the Sutton branch of the Royal Infirmary until the end of the war and has, since then, acted as locum there when required. She is on the committee of the local Church of England's children's society, a member of the local Association Committee of Girl Guides and a past captain of the Sutton Park Golf Club.

## PHARMACEUTICAL SOCIETY OF IRELAND

THE Council of the Pharmaceutical Society of Ireland held a meeting in Dublin on April 8, the president (Mr. J. P. Kissane) in the chair. There were present Messrs. M. Costello (vice-president), H. P. Corrigan (treasurer), R. Daly, T. B. O'Sullivan, A. A. Toher, F. J. Robinson, T. C. Scott, G. C. O'Neill, P. F. McGrath, P. Fullam, Senator F. Loughman, Messrs. M. Power, C. J. Cremen, P. Brooke-Kelly, and J. A. O'Rourke.

THE PRESIDENT referred to the death of Mr. J. J. Roche (*C. & D.*, March 22, p. 388). "J. J." had been, he said, a first-class councillor to whom they could turn with confidence for advice. His death was a grievous loss to the Society and to Irish pharmacy. The president moved that the Council should place on record its deep sympathy with Mr. Roche's family. The resolution was passed in silence, all members standing.

Visitors were appointed to the April Licence and Assistants' examinations. THE REGISTRAR (Mr. J. G. Coleman) reported that the total entry for the Licence examination was ninety-seven (including thirteen Registered Druggists sitting for the Chemist and Druggist examination). A letter was read from the Minister for Health approving the regulations submitted for that examination. The following changes of address were notified:—

Miss Ellen M. Owens, M.P.S.I., to Drogheda Street, Balbriggan, co. Dublin; Miss Kathleen Carty, L.P.S.I., to The Square, Castlepollard, co. Westmeath; Mrs. Mary E. O'Callaghan, L.P.S.I., to Hymany, Castlebar Road, Westport, co. Mayo; Messrs. B. Cullen, M.P.S.I., to 72 Navan Road, Dublin; and W. F. Jackson, L.P.S.I., to Loughgall, co. Armagh.

### Pre-registration Examination

Reporting on the recent Pre-registration examination, THE REGISTRAR stated that of the sixty-eight who had entered, fifty-one entered for chemistry and thirty-five passed: of fifty-eight who entered for physics, forty-three passed. In view of the Easter holiday, the April Licence examination would commence on April 21. Preliminary registrations had been recorded in respect of the following: Aloysius Acton, William M. W. Black, Philip P. Brady, Ellen M. Buckley, James J. Buckley, Lucy A. Byrne, Mary P. Corridan, Eileen F. Eakins, Winifred P. Feely, Jude Foley, Elizabeth M. Fitzgerald, Hubert Gaffney, Valentine J. Harte, Teresa Hunt,

Antoinette M. Keating, Bernadette A. McCaffrey, Denis B. McCarthy, James P. McCormack, Michael S. McGuinness, Thomas F. McIntyre, Michael C. Martin, Norman W. Maslin, Mary Patricia L. Molloy, Rita A. Murphy, Mary K. Norwood, Nuala E. O'Brien, Hannah M. O'Connor, James V. Parsons, Anne Mary P. Phillips, Daniel Quill, John V. Rafferty, Kathleen B. Shanagher, Eileen U. Sullivan, and Frederick C. Young. Dr. Colum Brady, who submitted an L.A.H. certificate, was granted registration as a pharmaceutical chemist.

### Opticians Bill

A draft scheme for the registration of opticians, legislation for which is being introduced, and the provisions of which would not, as the Registrar explained, infringe on existing legal rights of chemists was approved by the Council.

Selection of a suitable design of chair as a memorial to the late Mr. P. C. Cahill will be by a subcommittee consisting of the vice-president, treasurer, Messrs. Scott McGrath and Cremen.

The law committee reported that a letter had been received from Mr. Joseph Gorry, M.P.S.I., Naas, asking if the Veterinary Bill passing through the Dail constituted a new threat to the chemist, and urging the Council to be on the alert with regard to the legislation. SENATOR LOUGHMAN said that the Bill had not yet reached the Senate. THE REGISTRAR said it was mainly concerned with the setting up of an independent veterinary licensing body in the State. Previously the qualification was given through the London body. The Council agreed to look into the point made by Mr. Gorry.

Arising out of the Schools Committee report, THE REGISTRAR stated that a letter had been received from some African students inquiring if they could take a pharmaceutical course in Ireland, and a reply had been sent indicating difficulties that might arise with regard to apprenticeship. A letter from a lady chemist, who held Northern Ireland qualification and who had served her apprenticeship with Licentiate of the Society in Newry, inquiring as to the possibilities of securing similar status in the Republic, was held over for further inquiry.

THE REGISTRAR submitted a report from the journals committee on the result of the committee's interview with two directors.

ors of the "Irish Chemist and Druggist," is a result of which they recommended that the Irish journal should be made the official organ for a preliminary period of one year from January 1953, subject to a favourable ballot of members of the Society. MR. COSTELLO said the interview with the directors was satisfactory, and they had had a full discussion on all the matters involved. THE REGISTRAR told MR. TOHER that the change would effect a saving of about £900 a year. MR. DALY spoke of the value to chemists of the *Chemist and Druggist Year-Book*, and said it would be very much missed if they made the change unless a year-book was published by the home journal. MR. TOHER thought that a publication such as the Scottish Chemists' Glossary gave sufficient data to meet their needs. MR. O'ROURKE disagreed. There was no comparison between the Scottish Chemists' Glossary and the *C. & D. Year-Book*, which gave an extraordinarily wide range of proprietaries. The latter was comprehensive and up-to-date. His fear about confining themselves to a home journal was the danger of becoming isolated pharmaceutically. He did not think they had sufficient writers with a sufficiently wide knowledge of pharmaceutical subjects.

### On Oversight

THE REGISTRAR said the question of a year-book had not been raised at the interview with the directors of the "Irish Chemist and Druggist." It was the only matter overlooked. MR. O'NEILL said that, as a life member of the Society, he felt they had rights, but not privileges. He agreed with the committee's recommendation that they should make the change to the home journal. MR. O'ROURKE (also speaking as a life member) felt they had a legal and moral right to be supplied with the *C. & D.* MR. CREMEN supported the committee's report. Those who wanted the *C. & D.* could get it independently, but it was ridiculous to have to pay over £1,000 a year to supply it to members. The present subscription had gone beyond that the Society could pay. SENATOR DUGHMAN said he was all in favour of making the Irish paper the official journal. They should have done so long ago. In his view the fee paid to the Society should be for membership only, and should not entail paying out 25s. for a journal. He understood that the *C. & D. Year-Book* could be obtained independently of the *C. & D.* MR. ROBINSON said he would

like to support the recommendation to make the Irish "Chemist and Druggist" the official journal. The alternative was a large increase in their membership subscription if they were to continue taking the *C. & D.* After further discussion it was unanimously agreed to take a ballot of members on the issue.

### Veterinary Preparations

MR. POWER moved the following notice of motion standing in his name:—

"That this Council views with grave concern the policy of any firm which puts extra restrictions on the handling and distribution of veterinary drugs and preparations. That the Council take strong and immediate action in protecting the legal status of its members and licentiates as granted under the Pharmacy Acts."

MR. POWER said that in July 1951 he ordered a particular veterinary preparation from a well-known firm of manufacturers, but subsequently received a letter stating that the preparation could only be supplied to veterinary surgeons. The question was whether any firm could legally withhold a drug line from qualified pharmacists. It was a serious matter and should be dealt with by the Council. He would like all members throughout the country who had had similar experiences to send in particulars to the Council so that the fullest data would be available when raising the matter.

The Council approved of a set of draft regulations submitted by the education committee covering future academic courses of study and fees, and directed the Registrar, in conjunction with the Society's professors, to prepare a syllabus. The Council heard with satisfaction from THE REGISTRAR that all three serving pharmacists with the Army had been promoted from first Lieutenant to Captain. At a previous Council meeting, Mr. P. A. Brady, T.D., had been asked to see the Minister for Defence on the question of higher rank for the pharmacist officers.

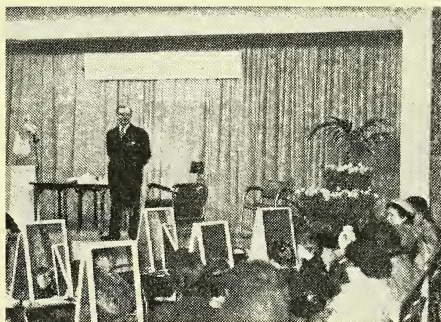
The Licence certificates of the following were signed and sealed: Mary Josephine Cooke, Michael Corrigan and Patrick James Murphy. Miss Ellen Mary Owens, and Messrs. P. G. Gray, J. G. O'Donoghue and F. O'Reilly, were elected members of the Society. The following were nominated for membership: Miss Mary J. Terry, Dundrum Road, Dundrum, co. Dublin; Bernard Cullen, 72 Navan Road, Dublin; and Francis Eugene Smith, 90 Home Farm Road, Drumcondra, Dublin.



## TRADE NOTES

**Khellin in Bulk.**—T. & H. Smith, Ltd., Edinburgh, offer bulk supplies of khellin, the pure crystalline active principle of *Ammi Visnaga*.

**Make-up Demonstration.**—Innoxia (England), Ltd., 1 Eden Street, London, N.W.1, recently staged a demonstration at



which customers followed, step by step, the advice and example from the platform, where the make-up procedure was carried out on a professional model.

**Drugs From India.**—The Drug Research Laboratories of the Kashmir Government, Jammu Tawi, India, offer Indian podophyllum resin, B.P., and concentrated extracts of belladonna leaf and root; stramonium; and valerian.

**Policy Range.**—The range of perfumes of Zenobia, Ltd., an associated company of Genatosan, Ltd., Loughborough, is being reduced. The true flower perfumes are being retained, but lipsticks and face powders under the Zenobia brand name will no longer be manufactured.

**Wrong Price Advertised.**—The price of Entrosalyl tablets, 50's, is 48s. per doz., plus 15s. 5d. purchase tax, and not as stated in an announcement in this paper recently by the manufacturers, Continental Laboratories, Ltd., 101 Great Russell Street, London, W.C.1.

**Finland Visits.**—Intending visitors to the Olympic Games, 1952, which are being held in Helsinki, July 19 to August 3, are invited to get in touch with the Finnish Foreign Trade Association, E. Esplanadikatu 18, Helsinki, Finland, which offers to arrange appointments, plan visits to plants, etc.

**Sole Importers in Eire.**—P. C. Cahill & Co., Ltd., Bachelor's Walk, Dublin, have

been appointed sole importers from the United States and distributors in Eire of Merck & Co.'s Cortone (cortisone). Cortone is supplied in 20-c.c. bottles of saline suspension for injection (25 mgm. per c.c.) and as 25-mgm. tablets for oral administration in bottles of forty.

**Period Discount.**—T. J. Smith & Nephew, Ltd., Hull, are making available to all pharmacists from April 15 to July 4 an extra 5 per cent. display and co-operation discount on all orders of £15 and over for Elastoplast first-aid dressings. Free window displays and sales aids are available and an advertising campaign is being launched in the leading National dailies and magazines.

**British Pavilion at Zagreb.**—For the first time in the history of the Zagreb International Fair there will be this year (September 13-28) a British pavilion including about sixty stands. The British pavilion has been obtained by the efforts of the United Kingdom agents for the Fair: Home and Overseas Trade Fairs, 40 Gerrard Street, London, W.1. Special travel and accommodation facilities are afforded to buyers. Intending exhibitors should get in touch with the agents.

**Price List Changes.**—From their new price list, recently issued, and in force from April 1, the Crookes Laboratories, Ltd., Park Royal, London, N.W.10, have omitted several products that are being discontinued when present stocks are exhausted. The list is being mailed to chemists in the United Kingdom and Northern Ireland during the next week or so, but if, after the general distribution, any pharmacist does not receive a copy, he will be sent one on request.

**"Science and Deafness" Exhibition.**—A hearing aid disguised as a walking stick (dated 1871), an earcup specially made for Gladstone in 1880, and an ear trumpet (1874) designed for the Queen of Denmark, are among exhibits at an exhibition, "Science and Deafness," organised by Amplivox, Ltd., 2 Bentinck Street, London, W.1, to illustrate the progress made in hearing aid development since the 1880's. The exhibition, which has already been shown in London, is being repeated at the Lord Nelson Hotel, Liverpool, April 29 to May 3, and will later visit Manchester, Leeds, Cardiff, Edinburgh and Glasgow.

# NATIONAL PHARMACEUTICAL UNION

Executive and Annual Meetings

(Concluded from THE CHEMIST AND DRUGGIST, April 12, p. 513)

THE SECRETARY outlined a scheme put forward by the International Pharmaceutical Students' Federation under which pharmaceutical students from overseas could be exchanged with British students on a working basis in pharmacies for a period of from three to six months. It was resolved that the N.P.U. should support the proposals. THE SECRETARY explained a proposal put forward by the Association of British Pharmaceutical Industry whereby there should be, at some convenient future date, a change from the Imperial to the metric system. The executive committee decided not to oppose the principle.

The annual meeting of the Chemists' Defence Association, Ltd., was held in London on March 26, Mr. P. Varley in the chair. THE CHAIRMAN presented the fifty-first annual report of the directors and

the statement of accounts as at December 31, 1951. The report and statement were adopted. The following were elected directors of the company for the year:—Messrs. A. Aldington, London; E. A. Brocklehurst, Hull; H. B. Coulson, Cambridge; B. Pugh Davies, Haverfordwest; T. N. Dixon, Bangor, Caerns; G. H. M. Graham, Newcastle-on Tyne; T. Heseltine, Normanton; H. Holmes, Torquay; D. W. Hudson, Hove; H. G. Moss, Feltham; W. T. Rees, Cheltenham; P. D. J. Spaanderman, Huthwaite, Mansfield; S. J. Stearn, Ipswich; H. Steinman, Manchester; L. H. Teare, Smethwick; W. J. Tristram, Liverpool; P. Varley, Blackpool; and F. G. Wells, London.

The thirty first annual meeting of members of the N.P.U was held in London on March 26, Mr. P. Varley in the chair.

## LONDON (WESTERN) PHARMACISTS' DINNER

MR. W. J. TRISTRAM, J.P. (vice-president of the Pharmaceutical Society) was the chief guest at the annual dinner of London (Western) Pharmacists' Association, held in London recently. Replying to the toast "The Pharmaceutical Society," he stressed the sometimes overlooked value of the Society in keeping members of the profession, particularly the elder members, in touch with each other socially. Proposing the toast MR. R. WOOLBY BROOKE had

stressed the need for pharmacists to concentrate on the professional side of their calling. MR. H. E. CHAPMAN, J.P. (secretary of the Proprietary Articles Trade Association) proposed the toast of the Western Pharmacists' Association. Replying, MR. D. R. EVANS (president) congratulated the P.A.T.A. on the way it had met the "challenge to one of our first principles—price maintenance." Dancing and entertainment followed.



the (London) Western Pharmacists' Association dinner and dance. Left: Mr. D. R. Evans, Mrs. Clifford Evans and (receiving bouquet) Mrs. D. R. Evans. Right, standing, Messrs. G. H. M. Graham, H. Noble (member of the executive, and secretary, respectively, of the National Pharmaceutical Union), W. J. Tristram, W. F. Wilkinson (secretary, London Pharmaceutical Committee), and D. R. Evans. Seated, Mrs. Wilkinson, Miss Chapman, Mr. H. E. Chapman, and Mrs. D. R. Evans.



## LOCAL DINNERS AND DANCES

**Liverpool Association.**—The president of the Pharmaceutical Society (Mr. F. C. Wilson) and the lord mayor of Liverpool were among the guests at a dinner held by the Liverpool Chemists' Association and Branch of the Pharmaceutical Society in Liverpool on March 12. There was an attendance of 250, Mr. J. P. Murphy (president of the association and chairman of the Branch) proposed "The City of Liverpool," to which the lord mayor replied. Mr. L. A. Butt (vice-president of the Association), proposing the "Pharmaceutical Society," hoped that the Society's supplemental charter would soon be granted. Mr. F. C. Wilson (president of the Society) replied that there was no reason to suppose that the granting of the new charter would be long delayed.

**Fiftieth Dinner but for War.**—Replying to the toast of "the Thames Valley Pharmacists' Association" by Mr. F. C. Wilson (president of the Pharmaceutical Society) at the annual dinner and dance of the Association on March 5, Mr. A. D. Hocking (chairman) said that the first dinner of the Association was held in 1903 and that, but for the war years, the 1952 event would have been the fiftieth. Of those attending the original dinner, two were alive today, one of them (Mr. L. Higgs, vice-president of the Association) being present that evening. Continuing, Mr. Hocking said that recognition of the unqualified dispenser, which would probably take place in the near future, must certainly be granted by the Society rather than by outside organisations. Among the 160 present were Messrs. W. S. Howells (treasurer of the Pharmaceutical Society) and J. F. Thomas (Wimbledon Association).

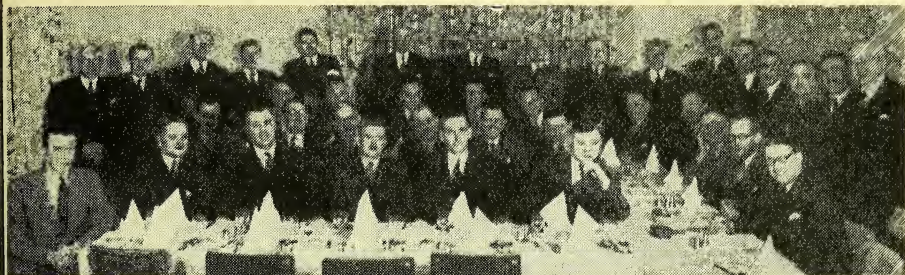
**North Staffs Branch.**—Proposing the toast of "The Guests" at the annual dinner and dance of the North Staffordshire Branch of the Pharmaceutical Society in Hanley, Stoke-on-Trent, on February 28, Mr. G. D. Ross (Branch president) said that he felt that the proposed levy on prescriptions might do considerable harm to the National Health Service. Chemists' relations with customers and members of the medical profession locally had always been good, and he hoped the proposals, which he was sure would not produce the economies so urgently required, would not cause friction. Among the guests were the lord mayor and lady mayoress of Stoke-on-Trent, Messrs. F. C. Wilson (pre-

sident of the Pharmaceutical Society), and J. S. Ramage (president, North Staffordshire Medical Society), and Miss M. C. Jones (warden of Birdsgrove House). Mr. C. E. Turner was presented with his badge of office as a past-president of the Branch.

**Cambridge and Huntingdon.**—At the annual dinner and dance of the Cambridge and Huntingdon Branch of the Pharmaceutical Society held in Cambridge recently, Mr. D. E. G. Fisher (chairman), proposing "the Society," said that education was one aspect of pharmacy where there had been a great advance since the end of the war. The qualifying examination was the equivalent of a good University degree, he said. In reply, Mr. F. C. Wilson (president of the Society), said that the number of students registered was higher during the past two years than at any time since 1935. The Society was opening two research laboratories and when the results of their work were made public they would reflect great credit on pharmacy and on the Society. Mr. E. Saville Peck (a past-president of the Society) recalled that when he entered the profession, matters were "very different." There was, he said, room for a higher qualification.

**Bolton Association.**—The annual dinner and dance of the Bolton Pharmaceutical Association was held on April 2. The guests included Mr. C. W. Macfarlane (a member of Council of the Pharmaceutical Society) and Mr. H. Steinman (past-chairman, National Pharmaceutical Union). The president of the Association (Mr. N. Berry) said in his address that a bogey existed at the moment in the shilling levy on prescriptions, and patience and co-operation between doctor, chemist and patient were necessary. Mr. C. W. Macfarlane who responded to the toast of the Society, stressed that the first duty of a pharmacist was loyalty to the Society, and that branches were useless unless all members played their part. He would like he said, to see a greater unity between branches and a better understanding of each other's difficulties. Mr. H. Steinman replying to the toast, "N.P.U.," said that despite all setbacks, pharmacists could not afford to depart from the principle that the chemists' primary concern was to use their skill and knowledge to the public benefit. "It is service, service and more service." (Picture, p. 541.)





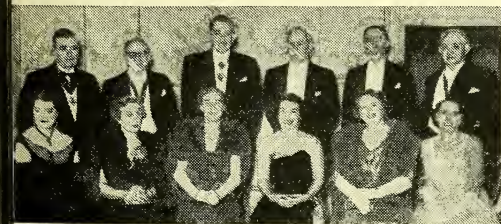
Above: Salesmen and executives at recent annual sales conference of Herts Pharmaceuticals, Ltd. A film was shown on the use of the Polystan sponge, with explanatory talk by Dr. B. Ehrenberg (Ferrosan Export Corp. AB, Sweden).



Group photographed when the International Chemical Co., Ltd., were "at home" to local chemists in Liverpool, recently.

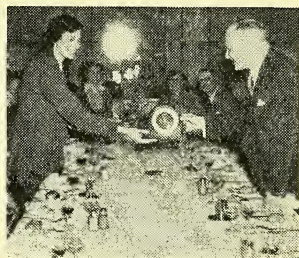


Scene at annual dinner and dance of the Bolton Pharmaceutical Association (see p. 540). [Photo, Bolton Journal and Guardian.

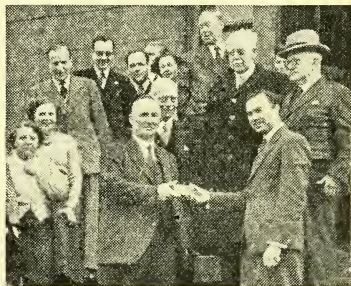


The president of the Pharmaceutical Society (Mr. F. C. Wilson) with pharmacists from Cornwall and Devon at the annual dinner and dance of the Exeter Branch of the society.

## NEWS IN PICTURES

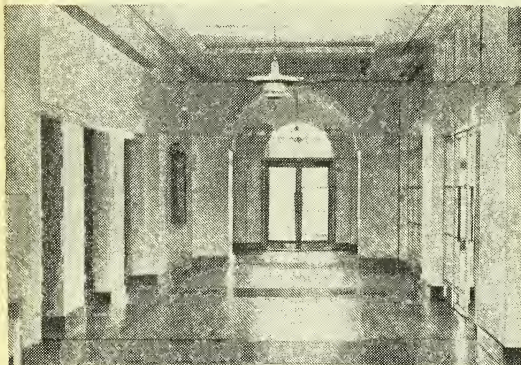


Mr. L. M. Schoenfield (managing director, Ozonol Laboratories (1930), Ltd., London), receives a presentation from a member of the staff at a silver jubilee party in London. Below: Mr. J. G. Fraser receives a silver cigarette box on his retirement from the chairmanship of Raimes, Clark & Co., Ltd., Edinburgh, in token of his fifty years' service with the company.

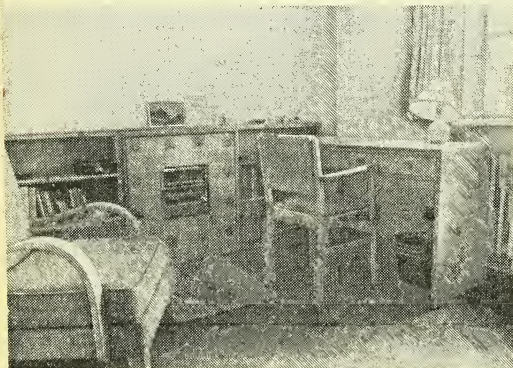




# ACCOMMODATION FOR CONFERENCE VISITORS



Above, entrance hall; below, inside a study-bedroom in Florence Nightingale Hall.



**M**EMBERS of the British Pharmaceutical Conference, 1952, will have the experience of living during the Conference week in the Halls of Residence of a modern university. For four such Halls—occupied in term time by undergraduates and certain members of the staff—have been reserved for them at Nottingham University during the Conference week. Situated in the University Park the Halls are only a few minutes'

## The Nottingham University Halls of Residence

walk from the main University building in which the science sessions and many social functions are being held. Every facility of the Halls is being made available to the visitors. The tennis courts, billiards rooms, and other amenities available to undergraduates will be open to them to use, and extra amenities, such as bars, are being provided specially during the Conference period. Single and two-bedded study-bedrooms are available in most of the Halls, the majority of them serviced with hot and cold water.

The University Park, a tract of country rising steeply from the Trent Valley, was provided, with the University buildings (opened in 1928), by Sir Jesse Boot, afterwards Lord Trent. Almost every part commands views over trees, lawns, and the University lake to hills on the south side of the wide Trent Valley.

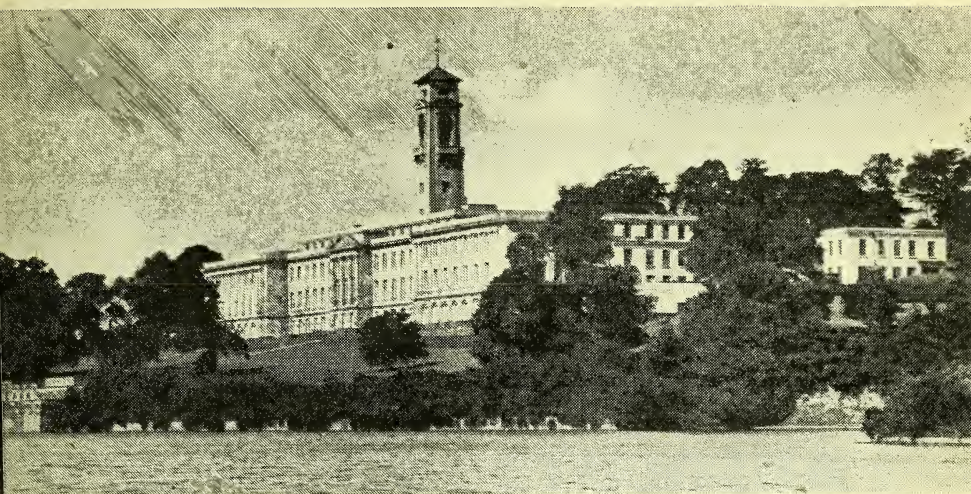
The newest Hall of Residence (opened in September, 1951) is named after Florence Nightingale. Designed by the architect of Nottingham Council Chambers (Mr. Cecil Howitt), it has considerable architectural interest, and its x-type plan has ensured that all of the rooms receive abundant daylight. The ground floor is devoted to two common rooms (to be used as lounges), each glass-panelled and overlooking gardens; a library; and a dining room. Meals are obtained by self-service from a spotlessly clean servery fitted in stainless steel. The Hall, which has four floors reached by automatic lifts, was designed for women students. Each study-bedroom is equipped with a hidden enclosed wash-basin supplied with hot and cold water; an interior-sprung bed; and built-in wardrobe, dressing table, electric fire, and meter. The "study" atmosphere is provided with tables, easy chairs and book cases, etc.

The oldest Hall of Residence is the

At right, part of the Hugh Stewart Hall showing the original mansion buildings on which the more recent sections have been skilfully grafted. The Hall stands on a hill in the University Park, amid gardens.







Above the lake on the rising ground of the University Park stands the University Senate House.

Hugh Stewart, named after a past-principal of the former University College. The Hall caters for men students. The original building, on which the rest of the Hall has been grafted, was a mansion built in 1792. The latest additions, some of them built on the traditional stair-block principle, were finished in 1936. The Hall has the advantage of being close to the University buildings yet is hidden from them by trees, which surround its own lawns and gardens. The setting is so rural that pheasants may sometimes be seen on the lawns. The dining hall seats about 50 diners. Waiter service is provided for dinner, but a help-yourself service is normal for breakfast and luncheon. Social life in the Hall is promoted by a common room, recreation room equipped for table tennis and billiards (two tables), and two hard tennis courts. About half of the rooms accommodate two people each.

Wortley Hall, also named after a past-principal, accommodates men students in term time and is to be reserved for men visitors to the Conference. The main

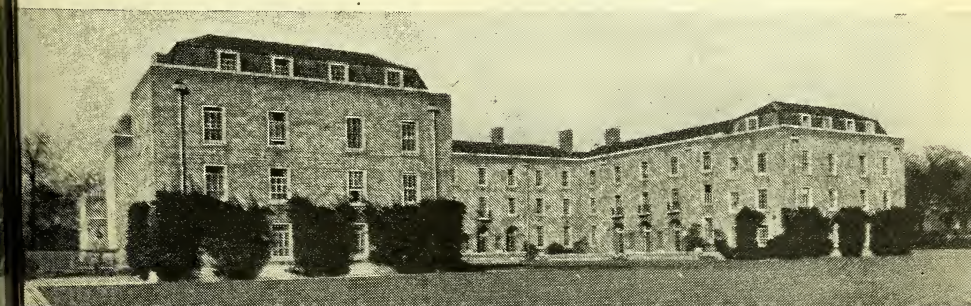
building retains its original appearance—that of a large private house set among gardens and lawns. It comprises library, lounge, dining room, and, on the crest of a hill, overlooks the Trent Valley. Fifty-five bedrooms have been built at the rear of the house in four modern single-story blocks, each self-contained with bathroom accommodation, etc.

The Florence Boot Hall, built about twenty years ago, houses women students in term time and lies a little to the west of the main University building across lawns. It will accommodate about 120 Conference members. Most of the study bedrooms have two single beds. Washing facilities are available in groups of enclosed cubicles.

Visitors to the Halls of Residence are asked to take their own soap and towels. As staff is limited no shoe-cleaning services are provided.

From near the Halls of Residence there is a frequent bus service to Nottingham centre.

Below : Florence Boot Hall.





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OL. CLVII APRIL 19, 1952

No. 3765

## Another Reason for Prompt Pricing

WHEN Mr. Hugh N. Linstead, M.P., said in the House of Commons recently (see *E. & D.*, April 5, p. 468) that an efficient pricing system was the only way to check over-prescribing under the National Health Service, he might have added that it would provide a safeguard against another practice that contributes to the high cost of the service. We refer to the issue of EC10 prescriptions to private patients. The practice is illegal, but it is within the knowledge of some contractors that it is in operation to an unknown extent. If it is more widespread than is realised, it counts for some part of the increase in the numbers and cost of prescriptions beyond the estimates.

On the basis of the Drug Tariff, chemists usually receive less than retail price for preparations ordered on EC10 forms, though there are exceptions. The use of EC10s, therefore, for private patients, not only puts improper charges on the Exchequer but deprives the chemist of legitimate income. Before the 1939-45 war, Insurance Committees were in the habit of examining statistical samples of doctors' panel prescriptions against the medical register to verify that official prescriptions were not issued to other than their insured patients. The practice lapsed at the outbreak of war, and though some 10 years ago the Ministry issued instructions to Executive Councils to resume the check, it is believed that few Councils have been systematically doing so. In any

event, the fact that, in present conditions, scripts are reaching the offices of Executive Councils for scrutiny about a year after they were written makes it difficult to maintain effective control. We have sympathy with the plea that, if doctors are to be surcharged for ordering items that are not drugs, or for issuing prescriptions to persons who are not entitled to them, they should have the matter brought to their notice while the facts of the case are fresh in their mind, and not twelve months later. In this direction also, proper pricing would facilitate the control of improper prescribing and would save public funds without prejudice to contractors. Ways of providing an efficient pricing system should be worked out without further delay.

## Personal Tenancies and Company Businesses

WHEN, because of the practical and financial advantages to be gained, a small family business occupying rented premises is converted into a limited company, care should be taken to avoid pitfalls arising from the tenancy.

A recent decision of the Court of Appeal prevented a company from continuing to trade at the premises under an extended lease because the company was not the tenant. The business, however, was carried on by the company, which was composed of the tenant and relatives.

When the tenancy of the premises had become due to come to an end, an application had been made to the Court for an extension of the term under the Leasehold Property (Temporary Provisions) Act, 1951. The application was, of course, made by the tenant, since the tenancy was not vested in the company. The Court of Appeal held that the tenant was not entitled to an extension, since the business carried on on the premises was the business of the company, and not his own. Accordingly, neither the tenant nor the company was entitled to any rights under the Act. The principle of the decision would apply equally to claims under the Landlord and Tenant Act, 1927, whether for compensation, goodwill or new lease.

The difficulty can be surmounted by



taking steps when the company is formed to secure that the tenancy is vested in it. That may be done in more than one way. Arrangements may be made with the landlord for the surrender by the tenant trader of his current lease, and the granting of a new lease to the company. Alternatively, the tenant trader who has formed the company may grant a subtenancy to the company, or may assign the tenancy to the company. Since far greater rights are conferred on tenants by the Landlord and Tenant Act, 1927, than by the Leasehold Act, 1951, the best course, perhaps, is for the tenant to assign his tenancy to the company. The company then immediately stands in the shoes of the tenant, so far as all claims against the landlord under either of those Acts are concerned.

### Hospital Pharmacists' Charter

WHILE the recommendations on hospital pharmacy sent by the Pharmaceutical Society to the Ministry of Health (see p. 556) contain little new, they should meet with a wide audience at high level and react to the good of neglected sections of the profession. In general, hospital pharmacists have been striving as best they can for

the ideals of conditions and accommodation outlined, with little outside support and it is noteworthy that the Society has taken the bull by the horns and recommended improvement in salaries. The salaries at present paid (even with recent increases considered) no less than the poorness of much of the accommodation is "indicative of the inadequate recognition of the importance of pharmaceutical work" in hospitals. It is difficult to decide whether the benefit intended is recommending that Society inspectors should visit hospitals is for hospital pharmacists or Society inspectors. If the overdue representation of hospital pharmacists on higher levels is brought about it is not clear what help outside inspection would provide, particularly as hospitals are "specialised institutions" knowing "what their responsibilities are." Any insistence on the letter of the law in such places would probably be chaotic. The economics of small-scale manufacturing should be studied carefully if the products are to show a real saving over those of high mechanised commercial manufacture. It is useful to be reminded that the Society is still formulating a policy on technicians.

## CORRESPONDENCE

### Assistants and Registration

SIR,—Having been one of the "great unqualified" for nearly thirty years, I was extremely interested in the article by Mr. H. Long, M.P.S. (*C. & D.*, April 5, p. 480), on a suggested register of assistants. It seems unfortunate that a complete picture of the situation was not presented when such an opportunity was afforded, especially in a matter of great importance to all concerned. All fair-minded persons will, of course, agree that the most suitable body to undertake the setting-up of such a register is the Pharmaceutical Society itself, but I cannot help wondering if, should Mr. Long's suggestions be adopted, it will prove fair and equitable to all concerned, even pharmacists themselves. For, instance, stress is put upon retail experience, but are not technicians, in the great manufacturing houses to have an opportunity of applying for inclusion in the register? Also, in past years, many people, especially girls with good general educations, have entered pharmacy and proved themselves extremely

efficient at the dispensing counter after training by their employers, though the latter have been loth to grant articles of pupilage owing to the legal responsibility involved. Again, surely the holders of the "Hall" and Forces diplomas should be included without question, or is the proposed technicians' examination to be of a higher standard than either of these? It is also pertinent to ask if those not included in the proposed register will be excluded from the work of the dispensary. If not, what is the use of the register? And, if so, what is to happen to those not qualified for inclusion but who satisfy their pharmacists employers? And what benefit will accrue to the registered technicians? They will have no status, no vote, yet presumably will be subject to the Statutory Committee of the Society, for which they will have the privilege of paying. With the balance of the world it behoves those of our colleagues who agree with me to bring themselves together so that they will have a representative body to put their case forward to the proper authorities if a



when the time comes, and not to rely on the fairmindedness of pharmacists, which has been noticeably absent in the various letters to the trade Press. In general we are necessary, if only economically, though we can say, in the main, that we have served pharmacy faithfully and well. We are not only diggers ofitches and washers-up, but have carried out many heavy responsibilities which have been met adequately and to the satisfaction of the pharmacist-in-charge. If pressure is put upon us by compulsion to register in order to carry out our present work without proper status, I for one will refuse to ask for inclusion, but will confine my activities to the counter, and leave pharmacy to the pharmacist—he says he wants that, anyway.

London, W.4.

J. JENKINS.

### Adrenaline Cream

SIR, — Many pounds must have been wasted because of the failure of the

authorities to produce a standard formula for adrenaline cream, nowadays frequently prescribed on EC10 forms. I note with surprise the new National Formulary omits this item and am further surprised to hear that payment is allowed for an advertised proprietary preparation that retails at 5s. for 2 oz. of strength 1:5,000. Some months ago I submitted to the Pricing Bureau (which had returned many forms marked "formula required") my own recipe for adrenaline cream, which is a simple solution of adrenaline hydrochloride in water incorporated in ung. alcohol lanæ, B.P., the finished cream containing about 0.1 per cent. adrenaline, 30 per cent. water, and 0.5 per cent. phenol, which effectively prevents change of colour. My suggestion that, with adrenaline at about threepence per grain, this cream would save the Drug Fund money, was not even acknowledged! Is it not time this matter was clarified?

Yours faithfully,

Twyford, Berks.

C. H. PATRICK.

## RECENT WORK IN AMERICA

RECENT developments in the pharmaceutical industry in the United States include the first commercial production of hydrocortisone acetate (Kendall's compound F), by Merck & Co., Inc., Rahway, New Jersey. The product is to be known as Hydrocortone. A new process that promises to end a shortage of niacin in U.S.A. has been developed by Dr. Robert S. Aries, consulting chemical engineer, of New York City, and associates. The process uses a readily available raw material (2-ethyl 5-ethyl pyridine), a product of the reaction of acetaldehyde and ammonia.—Distribution of Mytolon chloride (2,5-bis-(diethylaminopropyl-amino)-benzoquinone-bis-benzylchloride), a new compound for relaxing muscular spasm in surgery, has been started by Winthrop-Stearns, Inc., New York. It is a red crystalline solid and its action is said to be free of undesirable side reactions.—Advanced experimental work is being done by scientists at the United States Army Medical Research and Graduate School, Washington, D.C., in the development of a multiple-dose high-pressure injection apparatus for use in mass inoculation programmes. Improvements of an original single-shot instrument have resulted in the design of automatic instruments now under test, one hand-cocked, the other operated by two-cylinder pump.

In work to determine how aureomycin

appears to help white blood cells to combat invading organisms, Little, a microbiologist at Lederle Laboratories, Pearl River, New York, used species of a large protozoan to represent the white blood cells. Only in the presence of aureomycin could that protozoan destroy smaller ones (representing invading bacteria), though the antibiotic did not stop the growth of the smaller organisms. The discovery is expected to be helpful in further fundamental studies on the action of aureomycin.—In the search for a commercial method for the synthesis of cortisone, Brazilian yams (see *C. & D.*, 1948.II.338) are to be investigated by the U.S. Department of Agriculture. The plants will be grown by the Department itself, so that they can be studied during all phases of development.

**Yogi's Draught.** — The climax of the meal was his draught of a liquid stated to be nitric acid. To prove that the liquid was really acid, some was poured on to a penny in a glass. The liquid turned green, began to boil and gave off brown fumes. Having composed himself on the floor in the Yogi cross-legged position, Mr. Rao drank the liquid at a gulp. "Most people would die," Mr. Rao said, "but I will not. Yogis never die. They only die when they want to." — *Daily Telegraph & Morning Post.*

# NETHERLANDS AND BELGIAN PHARMACOPŒIAS

A THIRD reprint of the 1926 Netherlands Pharmacopœia incorporating the additions and alterations of the 1934 and 1939 supplements, and a second supplement to the 1930 Belgian Pharmacopœia have been recently published. (The production of new pharmacopœias in the two countries has been held up owing to the 1939-45 war and to enemy occupation.)

## Comparative Titles

The reprinted Netherlands Pharmacopœia contains the principal provisions of the Brussels Agreement of 1929 followed by a list comparing the titles for drugs and preparations named in the international agreement with the titles under which they figure in the Netherlands Pharmacopœia. Examples of the Dutch form of Latin nomenclature are Brometum kalicum (potassium bromide); carbonas calcicus (calcium carbonate); chloretum natricum (sodium chloride); hydrochloras cocaini (cocaine hydrochloride).

Separate monographs describe arrowroot and starches of rice, cassava, potato and wheat. The composition of the gelatin mass for making certain capsules is prescribed. Synthetic camphor is permitted to be used in the preparation of spirit of camphor provided it is intended exclusively for external use. A number of alcoholic preparations contain a small amount (less than 0.5 per cent.) of acetone. The sugar content of syrups for use in the tropics may be increased to 66 per cent. w/w. A monograph on the determination of viscosity, expressed in Engler degrees, has been included, and the directions for sterilisation have been modified.

In the original edition the title sirupus diacodii designated a preparation consisting of a mixture of equal parts of syrup of marshmallow and syrup of poppy. In the reprint it is a subtitle to "sirupus opii dilutus" (prepared by mixing 1 gm. of tincture of opium with 99 gm. of syrup.)

The following articles and preparations are among those added. In several instances the proprietary name (marked with an asterisk) of the article figures as a synonym under the Latin and Dutch titles.

- Acidum allylisopropylbarbituricum (aprobartital)
- Acidum iodo-oxychinolinosulfonicum (iodo-hydroxyquinoline sulphonic acid)
- Acidum phenylmethylobarbituricum (Rutonal\*)
- Alcohol trichloroisobutyllicus (Chloreton\*)
- Anhydromethylenocitras hexamethylentetramini (Helmitol\*, formamol)
- Diacetylaminoazotoluolum (Pellidol\*)

- Monojodbehenas calcicus (Sajodin\*)
- Phenylloinchoninas methylicus (Novatophaan\*)
- Saccharomyces cerevisiae siccum (Dried brewers' yeast)
- Semen cucurbitae (Seeds of *Cucurbita moschata*)
- Syrupus thymi bromatus (Sirupus contra per-tussim)
- Solutio brometi calcici (25 per cent. solution w/w of calcium bromide in water)
- Solutio mastichis adhaesiva (liquid adhesive)
- Sulfas ortho-oxychinolini (Superol\*, hydroxy-quinoline sulphate)
- Tinctura polygale amaræ

The monographs are followed by a large number of lists and tables including: Substances mentioned in the Pharmacopœia but not described, first aid in cases of sudden poisoning, reagents, volumetric solutions, indicators, specific gravities, vapour pressure of hydrated compounds, atomic weights, calibration of glass measuring apparatus and buffer solutions.

## Supplement

The supplement to the Belgian Pharmacopœia is devoted chiefly to monograph describing new medicaments. The introduction contains notes on qualitative reactions and general tests for the identification of inorganic groups and on general tests for purity follow, including comparative tests to determine the term "colourless." The determination of "limpidity" is carried out by comparison with a suspension of kaolin. Limit tests for impurities by comparison with standard solutions are given. A table giving the composition of the standards is appended. Next are given the monographs describing additions to the Pharmacopœia.

The second part of the supplement is devoted to descriptions of a number of additional reagents and test solution lists of the amounts of each of the new medicaments to be kept in stock in pharmacies, in medicinal dépôts in charge of physicians (hospitals, etc.), and by veterinary surgeons; tables of the doses of new medicaments; storage of toxic substances and a list of those new medicaments that must be protected from light.

**Support for Eisteddfod.**—The Rhyl Branch of the Pharmaceutical Society has decided to support financially the Royal National Eisteddfod of Wales, 1953, which is to be held in Rhyl. An award is to be made in one of the chief choral competitions, and the Branch is seeking contributions from its members and the trade.

# C. & D. REFRESHER COURSE for Pharmacists

Compiled by  
COLIN GUNN, B. Pharm., Ph.C.  
Assisted by  
S. J. CARTER, B. Pharm., Ph.C.  
D. R. BRAGG, B.Sc. Hons. (Lond.), B. Pharm., Ph.C.,  
and E. J. FITCHETT, Ph.C.

## 13—BARBITURATES

*"Come, sleep! O sleep, the certain knot of peace . . ."*

### Mode of Action

ATTEMPTS to define the exact site of action in the brain of barbiturates which are central nervous system depressants have not been successful. It seems, however, that the sleep centres are affected by drugs causing hypnosis, and the

SIR PHILIP SIDNEY, SONNET XXXIX

ready absorption may be assured. As a group, elimination takes place in several ways:—

1. By the kidneys, mainly unchanged, particularly with the longer acting compounds.

2. By the liver, with the intermediate and short acting compounds.

3. With the ultra-short acting compounds other tissues may be involved in the detoxification process. Often a combination of the first and second effects occurs.

### Uses

The most useful classification of these drugs from a therapeutic point of view is based on their duration of action. The table opposite is generally accepted as descriptive of those in use in Britain. The dividing line between the groups is, as might be expected, not always well defined.

Certain general fields of usefulness can be attributed to each of the four groups. When a prolonged hypnotic action is required,

phenobarbitone and barbitone are used. Of the two, phenobarbitone is longer in onset and duration. The additional marked anti-convulsant properties of phenobarbitone make it most useful in the treatment of epilepsy, and in this respect, methylphenobarbitone has a similar action but its hypnotic effect is less marked. Barbitone is the most slowly ex-

LENGTH OF ACTION	NAME	ELIMINATED By: K = Kidney L = Liver	AVERAGE ADULT DOSE	ROUTE
Long	Barbitone	Mainly K	gr. 5 to 10	Oral
	Barbitone sodium	ditto	gr. 5 to 10	
	Methylphenobarbitone	K and L	gr. 1 to 3	
	Methylphenyl barbituric acid	ditto	gr. 3	
Intermediate	Phenobarbitone	Partly L Up to 40 per cent. in urine	gr. $\frac{1}{2}$ to 2	Oral
	Phenobarbitone sodium		gr. $\frac{1}{2}$ to 2	Oral
			gr. 1 to 3	I.v. or i.m. injection
	Allobarbitone	K and L	gr. $\frac{1}{2}$ to 3	Oral
	Amylobarbitone	Mainly L	gr. $\frac{1}{2}$ to 5	
	Amylobarbitone sodium		gr. 3 to 10	I.v. injection
Short	Butobarbitone	K and L	gr. 5 to 15	
	Butobarbitone sodium		gr. 1 to 2	Oral
	Isobutyl allyl barbituric acid	K and L	gr. 2 to 5	
			gr. 3	
Ultra short	Cyclobarbitone	K and L	gr. 3 to 6	Oral
	Hexobarbitone	Mainly L	gr. 4 to 8	ditto
	Pentobarbitone sodium	ditto	gr. $1\frac{1}{2}$ to 3	Oral and i.v. injection
Ultra short	Quinalbarbitone sodium	ditto	gr. $\frac{3}{4}$ to 3	Oral
	Hexobarbitone sodium	Detoxified by body tissues	gr. 3 to 15	I.v. or i.m. injection
	Thiopentone sodium		gr. 30 to 60	Rectally
	Thialbarbitone sodium		gr. $1\frac{1}{2}$ to 8	Intravenous injection
			Stated to be twice that of thiopentone sodium	Intravenous injection

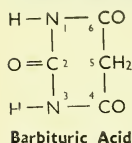
ortical centres by those barbiturates having a predominantly anti-convulsant action.

### Absorption and Excretion

The wide range of barbiturates available makes it possible to select suitable drugs for use orally, by intramuscular or intravenous injection, and rectally, so that



creted and accumulation may therefore occur. Compounds of the intermediate group are most suitable as soporifics. Members of the short-acting group are particularly useful for those patients who are unable to fall asleep readily, but, once asleep, are liable to sleep normally.



Compounds in the ultra-short acting group are used for intravenous anaesthesia and may be used alone if full muscular relaxation is not required. The members of this group are also used prior to the administration of a general anaesthetic. The more ready solubility of the sodium salts makes the onset of action of the salts quicker than that of the parent substance.

In obstetrics, drugs of the middle groups are frequently used in the first stages of labour, although later foetal respiration may be adversely affected for these drugs penetrate the placental barrier. Used rectally in suppository form, the short-acting barbiturates are particularly useful in paediatrics. The many uses of these compounds in psychiatric treatment is outside the scope of this review but mention must be made of the intravenous use of the sodium salts of phenobarbitone and amylobarbitone in controlling convulsions caused by cocaine, strychnine, etc. As a group, the drugs are of little use in insomnia caused by pain and for this reason they are frequently prescribed in conjunction with analgesic drugs, for example, phenacetin.

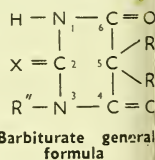
### Toxic Effects

Toxic effects are usually attributable to over dosage or prolonged usage. Most barbiturates cause some degree of respiratory depression, particularly on intravenous injection. For this reason means to combat respiratory failure should always be at hand when the thiobarbiturates are used. Hypersensitivity may be manifested as ex-

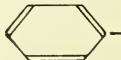
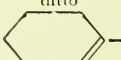
citement and delirium. Skin eruptions particularly after long use of phenobarbitone have been reported. True addiction, as occurs with morphine, is generally believed not to occur with barbiturates, but habit formation does undoubtedly occur. With over dosage, respiration and circulation are depressed, the blood pressure falls, reflexes are diminished and coma follows. Death usually occurs from respiratory failure or pneumonia following pulmonary oedema. The drugs should be used cautiously for patients with kidney and liver disease on account of their method of excretion.

### Structure and Therapeutic Action

The modifying effects of introducing different chemical groups into a substance are well illus-



### CHEMISTRY OF THE BARBITURATES

NAME	R	R'	R''	X
Barbitone ...	$\text{CH}_3-\text{CH}_2-$	$\text{CH}_3-\text{CH}_2-$	H	O
Phenobarbitone...		ditto	H	O
Methylphenobarbitone ...	ditto	ditto	$\text{CH}_3$	O
Hexobarbitone ...		$\text{CH}_3-$	$\text{CH}_3$	C
Cyclobarbitone...	ditto	$\text{CH}_3-\text{CH}_2-$	H	C
Thialbarbitone ...	ditto	$\text{CH}_2=\text{CH}-\text{CH}_2-$	H	S
Allobarbitone ...	$\text{CH}_2=\text{CH}-\text{CH}_2-$	ditto	H	C
Quinalbarbitone	$\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}-\text{CH}_3$	ditto	H	C
Pentobarbitone...	ditto	$\text{CH}_3-\text{CH}_2-$	H	C
Thiopentone ...	ditto	ditto	H	S
Amylobarbitone...	$\text{CH}_3-\text{CH}-\text{CH}_2-\text{CH}_2-$   $\text{CH}_3$	ditto	H	C
Butobarbitone ...	$\text{CH}_3-\text{CH}_2-\text{CH}_2-\text{CH}_2-$	ditto	H	C

trated in the case of the barbiturates. They are all derivatives of barbituric acid which possesses little or no narcotic action of its own.

The requirements for activity may be summarised as follows:—

1. Both hydrogen atoms at position 5 must be substituted by hydrocarbon groups.
2. These groups at position 5 should have a total of four to eight carbon atoms (Thialbarbitone is an exception).
3. Each of the two groups at position 1 should have two or more carbon atoms (Hexobarbitone is an exception).
4. One of the groups at position 1 must be aliphatic but the other may be

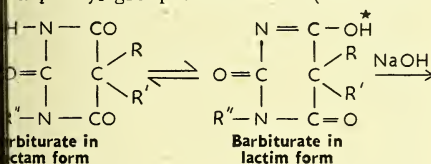
romatic, alicyclic or aliphatic.

5. Unsaturated groups at position 5 confer greater activity than the corresponding saturated groups.

6. A cyclic substituent produces a compound less stable in the body and therefore shorter in action. (Cyclobarbitone and hexobarbitone).

7. Replacement of hydrogen at position 3 by an alkyl group or oxygen at position 2 by sulphur increases the activity and shortens its duration.

8. Anti-convulsant action in non-anæsthetic doses appears to be a property of a phenyl group substituent. (Phenobar-



tone and methylphenobarbitone). A selective depressing action on the motor cortex is exhibited by compounds of this type.

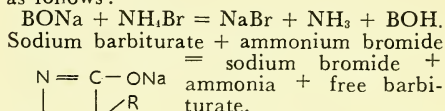
The barbiturates are only slightly soluble in water but form the more soluble sodium salts on treatment with sodium hydroxide solution.

The barbiturates exist in two forms, etam and lactim, between which there is a dynamic equilibrium (tautomerism). In the lactim form which confers activity, the hydrogen atom marked with an asterisk is ionisable. In the sodium salts this acidic hydrogen atom is replaced by sodium. The salts form alkaline solutions liable to hydrolysis and precipitate the free barbiturate on acidification.

## Dispensing Problems

The barbiturates are most commonly prescribed in tablet form. In tablet making difficulty is encountered in preparing tablets of barbitone and phenobarbitone which will disintegrate in the usual official time of fifteen minutes, hence thirty minutes is specified in the Pharmacopœia. Recent work by Berry and Ridout suggests that this difficulty may be overcome by the use of alginic acid as a disintegrating agent. In the preparation of injections, the water for injection used must be freed from carbon dioxide to avoid decomposition (article 7, *C. & D.*, January 26, p. 121). Aqueous mixtures various incompatibilities occur. For instance, the sodium salts decomposed in acid solution with pre-

cipitation of the free base (which, however, may be soluble if the dilution is great). In a similar way the free barbiturates are precipitated from solutions of their sodium salts by sodium bicarbonate. This may seem surprising at first sight but it must be remembered that sodium bicarbonate has a replaceable hydrogen ion and in such mixtures acts as an acid. In the above cases the precipitate should be diffusible. With ammonium bromide a reaction takes place with the sodium salts as follows:—



Permission to substitute sodium or potassium bromide should be sought. It should be remembered that the therapeutic effect is due to the bromide radical and if a substitution is made an equivalent amount of the sodium or potassium salt should be used, for example, 103 parts of sodium bromide are equivalent to 98 parts of ammonium bromide.

## REVISION QUESTIONS

1. Why are the barbiturates frequently prescribed in conjunction with analgesic drugs?
2. What group of barbiturates is produced by introducing a sulphur atom into the molecule and what particular characteristic does this substitution confer?

(Answers p. 558)

## A PHARMACIST'S ANTHOLOGY

I FELL sick, fevered, and in less than three hours, became quite delirious. Physicians were instantly called, I was plentifully blooded in the foot, my lower extremities were bathed in a decoction of salutiferous herbs; in ten hours after I was taken ill I enjoyed a critical sweat, and next day felt no remains of the distemper, but an agreeable lassitude, which did not hinder me from getting up. During the progress of this fever, which, from the term of its duration, is called *Ephemera*, my father never once quitted my bedside, but administered the prescriptions of the physicians, with the most pious care; while captain Bowling manifested his concern by the like attendance.—From "*The Adventures of Roderick Random*," by Tobias Smollett,

## MEDICAL ABSTRACTS

**Drugs for Epilepsy.**—In an observation on 212 patients, Ives ("Journal of the American Medical Association," 1951.147.1332-35) found that phenobarbitone controlled the highest percentage of patients and gave the lowest incidence of toxic manifestations. Mephobarbital (mebaral) and diphenylhydantoin (Dilantin) rivalled each other in effective alleviation of the seizures, and in their toxicities. Methylphenylethyl hydantoin (Mesantoin), amphetamine (Benzedrine) sulphate, and trimethadione (Tridione) controlled or helped some patients but made a greater number of them sick. Nuvarone, an experimental drug provided by Abbott Laboratories, proved of aid but hazardous (giving a 62 per cent. incidence of toxic manifestations, the report states).

**Anti-seasickness Drugs.**—Glaser and Hervey ("Lancet," 1952.262.490-92) give the results of trials with a number of drugs and admixtures for preventing motion sickness on 150 volunteer soldiers. The tests were made in a swimming pool with artificially produced waves. Mixtures of hyoscine hydrobromide and promethazine hydrochloride, and hyoscine alone were more effective than promethazine alone. There was no evidence that a mixture of the two drugs was more, or less, effective than hyoscine alone. Hyoscine alone was found to be more effective when given one and a quarter hours before commencing the motion than ten minutes before (when it was still effective). Glyceryl trinitrate was found by the authors to be totally ineffective.

**Treatment of Peptic Ulcers.**—Lawrence ("Lancet," 1952.262.482-85) reports on the study of methods of treatment of duodenal, gastric or anastomotic ulcers. It was found that antacids (particularly magnesium trisilicate) were more effective than placebos (e.g., barium sulphate) in the relief of pain. Seventy patients were placed on normal hospital diet, seventy on a special (Lenhartz) diet. On average, ulcers took longer to heal in the second group than in the first, but the acid and pepsin content of the stomach was better controlled in the second group. Administration of milk in twelve patients via an œsophageal tube resulted in more rapid easing of pain than in a control group: the improvement on the healing time was, however, very small. The author concludes that the present methods and dietetic treat-

ment of peptic ulcers do not hasten (and may delay) healing, and recommends a "less restricted regime."

**Staining of Teeth by PAS.**—Joseph ("British Dental Journal," 1951.1.241-42) describes instances of staining of the teeth caused by taking para-aminosalicylic acid (PAS) discovered by him in his work in the Royal Army Dental Corps. The stains vary in colour from slight yellow to brownish black, and the variations may be explained by the colour changes which a solution of the drug undergoes on exposure to sunlight. Two patients who never cleaned their teeth had the most marked staining, but the highest incidence of staining was in the women's wards of the hospital, where the patients were "very conscious" of the appearance of their teeth; the lowest incidence of staining was amongst the young patients who had well-formed arches, normal occlusion, and no recession of the gums, and whose teeth had smooth clean surfaces. To avoid staining, the author advises taking the solution by means of a straw, and brushing the teeth immediately afterwards, or taking the drug in the form of a tablet or cachet.

**Duration of Insulin Action.**—With the help of young healthy student volunteers Gerritzen ("British Medical Journal," 1952.1.249-50) studied the action of different insulins under closely controlled experimental conditions. His results showed that, with regular insulin, the blood sugar reached its lowest point one hour after the injection and returned to its starting point in eight hours. Protamine-zinc insulin had a duration of action of eighteen hours ("contrary to many data"), the lowest point in blood-sugar level being reached in five to eight hours. Samples of di-insulin and of globin-insulin had a duration of action of sixteen hours, the greatest effect being in the first three hours. An iso-insulin sample had a duration of action of seventeen hours, with a steep decrease in blood sugar during the first hour. Two brands of NPH insulin (a product in which protamine is completely combined with insulin) gave a duration of action of eleven hours, with the lowest point after four hours. With insulin mixtures the duration appeared not to depend on regular insulin content except that the decrease during the first three hours was greatest with the mixture containing the highest proportion of regular insulin.



## TRADE REPORT

spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

LONDON, APRIL 16  
FOLLOWING the cut in the price of BISULPHATE of SODA last week, manufacturers of MAGNESIUM TRISILICATE have notified reductions in their schedules. Bulk quantities are now sixpence per lb., and small quantities about sevenpence halfpenny per lb., below previous quotations.

There were no major changes either in price trends or in volume of business in the CRUDE DRUGS market during the week. Prime Cape ALOES can still be bought on the spot at a figure well under c.i.f. quotations. Holders of IPECACUANA at origin are anxious to do business, but there seems to be little demand from consumers at present. Replies to inquiries sent overseas for nearly all commodities are now being received more readily than for many years, showing a ready inclination on holders' part to sell.

In the ESSENTIAL OILS market PETITGRAIN Paraguay eased by 1s. 6d. per lb. in the spot. The Board of Trade announced today plans for the import of these goods (including essential oils, honey, olive oil, etc.) removed from open general licence in November, 1951 (see 558). In the case of essential oils the value of licences will amount to £1.5 million, c.i.f., against £2.4 millions in the previous period. A higher figure, however, has been given for the group of edible oils which includes ALMOND, OLIVE, etc. In all group licences will be issued to the value of £900,000 (against £350,000). The amount of HONEY to be imported remains the same at £5,000.

### U.S. Drug and Chemical Report

NEW YORK, APRIL 15  
THE chemical trade is reported to be dissatisfied with the export quotas set for the second quarter of 28 million lb. of benzene, naphthalene and five million lb. of DDT. They claim that surpluses here would permit heavier shipments abroad. Among NE CHEMICALS, LAURYL CHLORIDE has dropped 3 cents per lb. to 72 cents in prices. An improved tone in Brazilian ETHANOL is said to be making it difficult to locate spot material lower than \$6.50, 10 cents higher than previous quotations. The recent rising movement in CRUDE DRUGS appears to have come to an abrupt end as several declines have been recorded. Lower demand brought SENEGA down to 30¢ per lb. (off 20 cents), while some sources reported material in 1-ton lots as low as \$2.00. In ESSENTIAL OILS the disposal of distressed lots of BOIS DE ROSE permitted a strengthening to \$4.25 per lb. (up 5 cents). Dwindling stocks also boosted ANISE to \$1.75 (10 cents). Oils

lower per lb. included CINNAMON BARK at \$25.00 (down \$5.00); GINGER, \$16.50 (50 cents); East Indian NUTMEG, \$3.90 (10 cents); West Indian nutmeg \$3.70 (5 cents); West Indian BAY, \$1.55 (10 cents) and CELERY, \$16.00 (50 cents).

### Alcohol

PRICES (exclusive of duty) of ethyl alcohol per proof gall. are as follows:—

*Plain British Spirit* (95 per cent. Gay Lussac, 66 o.p.); where the number of proof gall. taken over any one year ended December 31 is 300,000 or over the price is 4s. 5½d.; 200,000 and less than 300,000, 4s. 6d.; 100,000 and less than 200,000, 4s. 6½d.; 50,000 and less than 100,000, 4s. 7d.; 10,000 and less than 50,000, 4s. 7½d.; 2,500 and less than 10,000, 4s. 8½d.

*Absolute Alcohol*, 99.5 per cent., 74.5 o.p., is one penny more per proof gall. than Plain British Spirit; the special high strength (99.9 per cent., 75.2 o.p.) is threepence more. *Doubly-rectified Alcohol* (S.V.R.), 95.8 per cent., 68 o.p. is twopence more per proof gall. and *P.I. Rectified Alcohol*, 96.1 per cent., 68.5 o.p. sixpence more than Plain British Spirit. *R.R. Absolute Alcohol* (re-rectified, 99.7 per cent., 75 o.p.), 14s. per bulk gall. net.

### Methylated Spirit

METHYLATORS' rates per gall. in Great Britain are as follows:—

*Industrial Methylated spirit*: Strength 61 o.p., 500 gall. and over, in one delivery, 7s. 6d.; 100 gall. and under 500 gall., 7s. 8d.; 30 gall. and under 100 gall., 7s. 10d.; 10 gall. and under 30 gall., 8s.; 5 gall. and under 10 gall., 8s. 3d. Strength 64 o.p., 1d. per gall.; 66 o.p. (B.P.), 2d.; 68 o.p., 3d.; and 74 o.p., 7½d. more than the above rates. Tank wagon delivery: One halfpenny per gall. off list price:—minimum 500 gall. For industrial methylated spirit of standard toilet quality prices are 3½d. per gall. above foregoing prices.

*Pyridinised industrial methylated spirit*: Strength 61 o.p., 500 gall. and over, in one delivery, 7s. 8½d.; 100 gall. and under 500 gall., 7s. 10½d.; 30 gall. and under 100 gall., 8s. 0½d.; 10 gall. and under 30 gall., 8s. 2½d.; 5 gall. and under 10 gall., 8s. 5½d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

*Mineralised methylated spirit*: Strength 61 o.p., in one delivery, 100 gall. and under 500 gall., 7s. 10½d.; 30 gall. and under 100 gall., 8s. 0½d.; 10 gall. and under 30 gall., 8s. 2½d.; 5 gall. and under 10 gall., 8s. 5½d. Strength 64 o.p., 1d. per gall. more than foregoing rates.

*Methylated resin finish* is 3d. per gall. over, and *methylated shellac finish*, 1s. per gall. over the prices for pyridinised methylated spirit.

TERMS: Delivered free and carriage paid on returned empties; cash one month less 2½ per cent.; packages charged, credited in full on return.

## Pharmaceutical Chemicals

ASCORBIC ACID.—1-kilo lots for the home trade are £14 per kilo; 500-gm., £14 10s. per kilo.

CALCIUM GLUCONATE. — Quantities of 3 cwt. and upwards are quoted at 4s. per lb.; 1 cwt. to 2 cwt., 4s. 1d.; smaller quantities, up to 4s. 4d. per lb.

CHLORAL HYDRATE.—In 1-cwt. lots the price is 5s. 5d. per lb.

CHLOROFORM.—1-cwt. lots in winchesters are now 3s. 6d. per lb.; 56-lb., 3s. 6½d. In drums, prices are 3s. 4d. and 3s. 4½d.

COCAINE. — Rates per oz. are as follows: ALKALOID and SALICYLATE, bottles ¼-oz., 27s. each; ½-oz., 53s. each; 1-oz., 104s.; 4-oz., 103s.; 8-oz., 102s.; 16-oz., 101s.; tins, 25-oz., 100s. HYDROCHLORIDE and NITRATE, bottles, ¼-oz., 24s. 6d. each; ½-oz., 48s. each; 1-oz., 94s.; 4-oz., 93s. 3d.; 8-oz., 92s. 3d.; 16-oz., 91s. 6d.; tins, 25-oz., 90s. 6d.

HYDROCYANIC ACID. — Dilute, B.P.C., is from 1s. 4d. to 1s. 11d. per lb. as to quantity; Scheeles is from 1s. 8d. to 2s. 3d.

IODIDES.—Rates (per lb.) for POTASSIUM are as follows:—1-cwt., 18s. 1d.; 28-lb., 18s. 7d.; 7-lb., 22s. 2d. SODIUM IODIDE is: 1-cwt., 19s. 7d.; 28-lb., 20s. 1d.; 7-lb., 23s. 10d.

IODINE PREPARATIONS.—Rates (per lb.) are as follows:—RESUBLIMED IODINE, 1-cwt., 21s. 3d.; 28-lb., 21s. 9d.; 7-lb., 25s. 9d. IODOFORM POWDER, 1-cwt., 25s. 4d.; 28-lb., 25s. 10d.; 7-lb., 30s. 6d. (CRYSTAL, 2s. 8d. per lb. more).

MAGNESIUM TRISILICATE. — Lower. In 28-lb. packages the prices (per lb.) are now as follows:—28-lb., 4s. 9½d.; 1-cwt., 3s. 10d.; 5-cwt., 3s. 8d. Lower quotations for larger quantities.

POTASSIUM BROMATE.—In 5-cwt. lots, 7s. per lb. In small quantities the prices range up to 8s. 9d. per lb.

PROCAINE HYDROCHLORIDE. — 1-cwt. lots are 45s.; 28-lb., 47s. 6d.; 7-lb., 49s.

SALOL, B.P.C.—Current quotations for quantities of 1 cwt. are 9s. to 10s. 6d. per lb., according to pack; 28-lb., 10s. 6d.; 14-lb., 13s. 0½d.; 7 lb., 16s. 1d.

TERPINEOL.—Prices of B.P. grade are from 4s. per lb. upwards as to quantity.

ZINC OXIDE.—Minimum (2 tons) rates are as follows:—B.P., £220 per ton; white seal, £208 15s.; green seal, £207 15s.; red seal, £206 5s.

## Crude Drugs

AGAR.—Firm. Kobé No. 1 on the spot 12s. 6d. per lb. Forward, buyers' licence 7s. 6d. per lb., c.i.f.

ALOE. — Prime Cape on the spot offered at from 200s. to 202s. 6d. per cw. Forward quotations are about 206s., c.i.f. Curaçao is 425s. per cwt., on the spot.

BALSAMS. — *Canada* is 32s. 6d. per lb. on the spot. *Copaiba*: Para is offered 18s. 6d. per lb., duty paid, *Peru* is 16s. 2d. per lb., duty paid, and 13s. 9d., c.i.f., for shipment. *Tolu*, natural is steady on the spot at 33s. 6d. per lb., and for shipment 31s., c.i.f.

BELLADONNA.—ROOT is from 3s. 3d. 4s. 4d. per lb., on the spot, duty paid according to test. LEAVES are from 3s. 5s. per lb., as to test.

BENZOIN.—No. 1 Sumatra block on the spot is quoted at from £27 10s. per cw. and for shipment, £26 (or a shade under c.i.f. Siam almonds are from 27s. 6d. 37s. 6d. per lb., spot, as to size.

BUCHU.—Short round leaves, new-crop are 2s. 3d. per lb., old-crop, 2s. 2d.

CAMPHOR. — Chinese (B.P.) powder the spot is from 4s. 3d. per lb. in box (4s. 9d., duty paid); ¼-oz. tablets are quoted at 6s. per lb., duty paid. 2½ slabs, 5s. 3d. per lb., duty paid. Synthesis is from 4s. to 4s. 3d. per lb.

CANTHARIDES. — Chinese is offered 7s. 6d. per lb. in bond.

CAPSICUMS.—Abyssinian are from 14 to 180s. per cwt. on the spot; 110s. 120s., c.i.f. East African, on stalk, 150s. per cwt., and off stalk from 18 to 200s.

CARDAMOMS.—Aleppy greens for April-May shipment, are 14s. 3d. per lb., c.i.f. spot, 17s. 6d.

CASCARA SAGRADA.—American bark, 19 peel, is from 320s. per cwt., duty paid and 290s., c.i.f., forward.

CHERRY BARK.—Thin cut natural is quoted at 2s. 2d. per lb., duty paid, ex warehouse London.

CHILLIES.—Quiet. Sierra Leone on spot are 220s. per cwt.; for shipment 175s., c.i.f.; East African (Mombasa) 275s., ex warehouse; for shipment, 260 c.i.f.

GINGER.—African on the spot is 12s. per cwt.; Jamaican No. 3 is 180s., c.i.f.; spot quotations are from 210s. to 225s. per cwt. as to quantity. Cochin, 132s. 6d. per cwt., c.i.f.

GUM ACACIA.—Kordofan cleaned sorts the spot are 115s. per cwt.; shipment, 9 c.i.f., buyer's licence.

HENNA.—Indian leaves are about 9s. per cwt., on the spot. April-May shipment of Sudanese are quoted at 110s., c.i.f.

IPECACUANA.—Forward offers of Nicaraguan, April-May shipment, are from 45s. to 46s. per lb., c.i.f. Spot prices of Colombian are 52s. per lb., and Nicaraguan, 58s.

KARAYA.—No. 1 gum on the spot is about 00s. per cwt.; No. 2, 200s.

LIQUORICE.—Anatolian natural whole lot on spot in London is quoted at 52s. 6d. per cwt.; Syrian, natural, is 42s. 6d. Turkish black juice quotations are from 80s. upwards, according to holder, duty paid. Turkish stick is 240s. per cwt., duty paid; Italian stick, 475s. per cwt., duty paid.

MACE.—West Indian pale blade is 5s. 6d. per lb.; for shipment, 8s. 11d., c.i.f.

MENTHOL.—Quotations for Chinese are 2s. per lb., and Brazilian, 50s., both duty paid. Brazilian forward price for April-May shipment is 41s. 6d., c.i.f.

MYRRH.—Aden selected sorts are quoted from £17 to £18 per cwt., on the spot. Offerings are from £7 10s. to £8 10s.

SEEDS.—Markets generally unchanged on last week.

SENEGA.—Spot supplies are from 15s. 16s. 6d. per lb., according to holder.

SENNA.—Tinnevely leaves on the spot are as follows: Prime No. 1, limited supplies at 1s. 6½d. per lb.; No. 2, 1s. 4d.; No. 3, 1s. For May-June shipment, dry op, f.a.q. pods are 1s. 10d. per c.i.f. and f.a.q. leaves, No. 1, 1s. 1d.; No. 2, 1d., c.i.f.

SHELLAC.—Lower. Spot quotations are: O.T.N., pure, 210s.; F.O. Standard No. 235s.; fine orange, 270s. to 345s per lb., ex-London warehouse.

SQUILL.—Italian white new-crop is offered from origin at 57s. 6d. per cwt., f. London. Spot is from 60s. per cwt.

TRAGACANTH.—No. 1 ribbon on the spot £155 per cwt.; No. 2, £135; No. 3, £100.

VALERIAN.—Whole Belgian on the spot quoted at about 205s. per cwt., spot, £190s., c.i.f., for shipment. Indian is 0s. per cwt., spot London; for shipment, 145s., c.i.f., quoted.

WAXES.—BEES.—Dar-es-Salaam on the spot is 445s. per cwt.; shipment, 390s., f. Benguela on the spot is 460s. per cwt. nominal, in bond; shipment, 390s., f. CANDELLILLA.—Spot supplies are offered at 640s. per cwt.; no shipment offers. CABAUBA.—Prime yellow, spot, 1,000s. per cwt.; shipment, 940s., c.i.f. Fatty grey, £760s. per cwt.; shipment, 750s., c.i.f. SANTAL.—Reibeck crude on the spot is 0s. per cwt. OURICURI.—Spot 0.5 per cwt. impurities, 700s. per cwt. SPERMAT.—Spot supplies are from 2s. to 2s. 3d. per lb.

WITCH HAZEL.—Leaves on the spot are offered at 2s. per lb.

## Essential and Expressed Oils

ALMOND.—English-expressed is from 6s. 6d. per lb.

AMBER.—Rectified on the spot is quoted at from 1s. 6d. per lb.

ANISE.—Steady. Spot supplies are from 8s. 6d. per lb., according to quantity.

BERGAMOT.—Nominal spot value is 115s. per lb.

CANANGA.—Supplies on the spot are quoted at from 57s. 6d. per lb.

CARDAMOM.—Quotations are from 455s. per lb. for spot material.

CASSIA.—Spot supplies are offered from 21s. per lb.

CEDARWOOD.—Spot quotations for Kenya are from 4s. 6d. per lb.

CHENOPODIUM.—1-cwt. lots are 67s. 6d. per lb.

CITRONELLA.—Spot prices for original drums are: Ceylon, 4s. 9d. per lb.; Formosa and Java, 6s. 3d. Forward quotations are: Ceylon, 4s. 7d.; Formosa, 4s. 6d., and Java, 4s. 7½d. per lb., all c.i.f.

CUBES.—English-distilled is offered at from 50s. to 55s. per lb. Imported is quoted at 60s. per lb.

DILL.—English-distilled oil is quoted at about 65s. per lb. for B.P. quality. Imported oils are offered at 40s. per lb. with East Indian at 30s., spot.

GINGER.—English-distilled oil is from 120s. to 150s. per lb., as to grade. Imported oils are available at from 100s. per lb.

JUNIPER BERRY.—Imported oils are offered at from 19s. per lb., duty paid. English-distilled is offered at 75s. to 95s. per lb., as to seller and grade.

LAVENDER.—French, 40-42 per cent. linalol on the spot is from 43s. per lb. Spanish spike is 13s. per lb.

LAVANDIN.—Quotations for spot supplies are about 23s. per lb.

LEMON.—Sicilian hand-pressed (4 per cent. citral) is quoted at from 50s. per lb., c.i.f.

LEMONGRASS.—Forward quotations are 9s. 3d. per lb., c.i.f., prompt shipment. Spot supplies are from 10s. 3d. per lb.

PEPPERMINT.—Chinese *arvensis* oil on the spot is 34s. 6d. per lb.; Brazilian 26s.; Italian "Mitcham" type, 62s. per lb.

PETITGRAIN.—Paraguay is offered at 22s. 6d. per lb., c.i.f. Spot supplies are lower at 24s. 6d. per lb.

PINE.—*Pumilionis* on the spot is quoted at from 18s. to 20s. per lb.; *sylvestris* is at about 11s. per lb., and Siberian (*abietis*) is from 18s. to 20s. per lb., duty paid, as to holder.

VETIVERT.—Bourbon in original drums is 182s. 6d. per lb., spot.



## REPORT ON PHARMACY IN HOSPITALS

THE Pharmaceutical Society recently sent to the Ministry of Health a memorandum and recommendations, several thousand words long, on the status of pharmaceutical services in hospitals. The present time when the Ministry is holding an inquiry into the efficiency and economy of the hospital pharmaceutical service has been deliberately chosen for submitting the report.

The report summarises the history of pharmacy in hospitals. It lays down as the first essential for an efficient and economical pharmaceutical service the recognition of the principle that pharmacy is not a subsidiary or ancillary calling but one which has its own corpus of knowledge and sphere of operations, develops its own standards of practice and is responsible only to its professional conscience and to the public for the quality of its work.

### Administration

There is need for pharmaceutical advice at all administrative levels. Only pharmacists should have advisory status on pharmaceutical matters and those responsible for giving pharmaceutical advice should be in a position to volunteer it and provide it on request.

The Society acknowledges the improved standing given to pharmacy in the Ministry in recent years and the beneficial effects on the pharmaceutical services which have resulted from it. It considers an increase in the number of pharmacists on the Central Health Services Council necessary to ensure a fully representative pharmaceutical opinion.

Nothing is more indicative of the inadequate recognition of the importance of pharmaceutical work in the past than the provision made in hospitals for the accommodation and equipment of the department where such work is carried on. The pharmaceutical department requires to be carefully planned in relation to its own needs and the needs of other departments, actual and potential, and given a position where it can serve them best. However, it is commonly found in cramped, unsuitable premises as though it were a matter of indifference how it should be designed or placed.

In planning pharmaceutical arrangements in hospitals account should be taken

of the facilities offered by and the need of the general practitioner and local health services. It may be desirable for example for a hospital to be responsible for the pharmaceutical needs of the local health service, for an interchange of supplies between local pharmacies and a hospital to be available regularly or in an emergency, or for the pharmaceutical needs of small hospitals to be met by pharmacies.

### Regional Level

There is unquestionably a need for a court of appeal in professional matters at this task could be admirably performed at the regional level. The appointment of chief pharmacists in hospitals is also a matter which should be the concern of the region. The successful solution of all these problems involves a regional pharmaceutical administration consisting of an advisory Committee representative of hospital pharmacists in the region and an executive pharmaceutical officer on a full-time part-time basis. There should also be a pharmacist on the Regional Board. In that case he would act as chairman of the advisory committee.

There is need for pharmaceutical representation on hospital management committees. Each hospital where the preparation and dispensing of medicines is carried on should have a pharmaceutical department in charge of a pharmacist with the status of chief pharmacist. Pharmaceutical arrangements outside the pharmaceutical department should be under the control of the chief pharmacist and those in any hospital without a pharmaceutical department should be under the control of a chief pharmacist at another hospital in the group.

The work of a pharmaceutical department is outlined, this includes in particular: "To promote economy in the use of medical supplies by advising upon alternative substances and preparations on their relative cost, by reducing to a minimum dependence upon external sources of supply and by ensuring that supplies are in optimum quantities and stored under satisfactory conditions."

Conducting pharmaceutical research and taking part in medical research calls for the closest relationship between the pharmacist and the physician and requires a pharmaceutical department equipped and

staffed for analytical work and the manufacture of all forms of galenical preparations. The pharmacy department in hospitals should be centralised and readily accessible.

Accommodation and equipment should provide for storage, processing, testing, sterile work, dispensing and clerical work. The minimum staff in the larger general hospitals is a chief pharmacist and deputy chief pharmacist and a pharmacist in charge of each section of the work in the department. Opportunities exist for the employment of assistants, technicians and their position should be regularised. The terms of service of pharmacists and the question of recruitment are discussed. The remuneration of hos-

pital pharmacists should be improved. Pharmaceutical control should be exercised at all stages over the ordering of pharmaceutical supplies.

### Teaching Hospitals

Teaching hospitals are of special importance pharmaceutically as a regional centre, for their research opportunities and because of the influence on the medical practitioners' ideas of pharmacy. The teaching of pharmacy to medical students has traditionally taken a form which has given a wrong picture of the rôle of pharmacy. The status of pharmacists giving a proposed wider course should be that of university teacher. It is desirable that the Society's inspectors should visit hospitals.

## FINAL REPORT ON BRANCH RESOLUTIONS

For the information of Branches the Council of the Pharmaceutical Society has issued a final report on the matters that were the subject of preliminary comment in their interim report (*C. & D.*, 1951.II.758).

### Apprenticeship and Post-graduate Training

The scheme of guidance for apprentice chemists, mentioned in the interim report in course of preparation, has been drafted and is under consideration by the Council.

The Council regret that the publication of the booklet "Some Notes on Pharmacy as a Career" has been delayed. The matter, however, now in its final stages.

That it is the opinion of this meeting that the Council of the Society should take immediate steps to establish a national scheme for the post-graduate training of pharmacists; and to secure the financial backing which the Minister of Health is empowered to give by Section 48 of the National Health Service Act."

The subject has a number of facets and there is no one method that will answer all purposes. It is the intention of the Council to make arrangements along various lines as opportunity offers. Week-end and vacation courses at schools of pharmacy, part-time lectures and demonstrations in local technical colleges and hospitals, films, study notes, and articles in the Press all have a part to play. There is a long tradition of systematic post-graduate training in pharmacy and progress cannot but be slow. The need for the co-operation of many authorities and individuals and the financial and staffing problems connected with it are other factors

which must be taken into account in judging the extent to which post-graduate training is practicable at present.

About the resolution on the forming of the Branches of the Pharmaceutical Society into regional groups, it is reported that the Council have submitted a scheme to Branches for their consideration.

"That it is the opinion of this meeting that the Society should take all steps to reply immediately to unjust criticisms of pharmacists by coroners and others in public courts and in the Press and to initiate a nation-wide radio and Press campaign to bring home to parents their responsibility for the safe storage of all medicines and the careful administration of all medicines."

The steps to be taken to minimise accidental fatalities are still being considered.

### Pharmacists in Hospitals

"That in the opinion of this meeting the Society should press for pharmaceutical representation on Hospital Management Committees."

A meeting of pharmacists serving on hospital management committees has been held. In consequence of that the Branches are being advised of action they can take to improve the situation. Also the matter has been raised at the national level in the memorandum which the Society has placed before the committee investigating the hospital pharmaceutical services at the request of the Minister of Health (see p. 556).

The resolution on the bringing of the pharmaceutical service in every hospital under the statutory control of a pharmacist, has been dealt with in the Council's memorandum already mentioned.

## LICENSED IMPORTS

THE Board of Trade announced on April 16 in "Notice To Importers No. 488" the arrangements to be followed during the period July 1 - December 31 for licensing imports of goods that were removed from open general licence in November 1951 (see *C. & D.*, 1951.II.641). Importers will be free to import from any one or more of the countries covered by the licences, which are:—

(a) *O.E.E.C. countries and their Dependencies*: Austria, Belgium, Denmark, France, Greece, Italy, Luxemburg, Netherlands, Norway, Portugal, Sweden, Switzerland, Trieste, Turkey, Western Germany.

(b) *Other countries*: Afghanistan, Anglo-Egyptian Sudan, Andorra, Bhutan, Brazil, Chile, China (including Manchuria), Egypt, Ethiopia, Finland, Formosa, Indonesia, Israel, Lebanon, Paraguay, Peru, Saudi Arabia, Siam, Spain, Syria, Uruguay, Yemen.

Applications for licences should be made on Form I.L.B./A (Revised) and submitted before May 1 to the Board of Trade, Import Licensing Branch, Romney House, Tufton Street, London, S.W.1. A statement certified by an independent practising accountant of the products imported from those countries during the period November 1, 1950, to October 31, 1951, expressed in £ sterling, c.i.f., should accompany the application. It should not include imports from:

(a) The Scheduled Territories, Muscat and Oman. (The Scheduled Territories at present comprise the British Commonwealth (except Canada), British Trust Territories, British Protectorates and Protected States, Burma, the Irish Republic, Iraq, Iceland, Jordan and Libya.) (b) Albania, Argentina, Bolivia, Bulgaria, Canada, Colombia, Costa Rica, Cuba, Czechoslovakia, Dominican Republic, Ecuador, El Salvador, French Somaliland, Germany (Russian Zone), Guatemala, Haiti, Honduras, Hungary, Japan, Jugo-Slavia, Korea, Liberia, Mexico, Nicaragua, Panama, Persia, Philippines, Poland, Rumania, Tangier, United States of America, Union of Soviet Socialist Republics, Venezuela.

Importers of essential oils should include in their returns imports originating in China but consigned from Hong Kong.

Licences for bottles, jars and tubular containers of the type used for essential commercial and industrial purposes will be freely issued. Applications to import perfumery bases should be made in the usual way and will be considered individually.

Import quotas for the six-month period have been fixed as follows:—

**DRUGS, MEDICINES and MEDICINAL PREPARATIONS**, manufactured or prepared

except:—Artisone, aureomycin, cortisone, cortrophin (ACTH), and terramycin, £355,000; HONEY, £5,000; natural ESSENTIAL OILS, £1.5 millions; various vegetable oils, including ALMOND, natural and OLIVE, £900,000.

The Board warn importers that the validity of licences issued against the first half of the year will not be extended after June 30. Importers are advised to arrange shipments to come within the validity of the licences they hold. Save in exceptional circumstances, the unused portion of a licence will not be carried forward to a new period.

## TRADE MARKS

From the "Trade Marks Journal," April 2

*For medical and surgical bandages made of non-absorbent material* (5).

LASTONET, 704,526, by John Heathcoat & Co., Ltd., Tiverton.

*For pharmaceutical preparations for human and veterinary use containing antihistaminic substances and antibacterial agents* (5).

DIBRANTROL, 704,854, by May & Baker, Ltd., Dagenham.

*For pharmaceutical substances for human and veterinary use, sanitary substances, medical dressings, surgical plasters, bandaging material, disinfectants* (5).

UCEPAM, 705,142, by Union Chimique Belge S.A., Brussels, Belgium.

*For instruments and apparatus for use in anaesthesia, anaesthesia and resuscitation* (10).

PULMOFLATOR, 697,584, by Blease Anaesthetic Equipment, Ltd., London, W.1.

From the "Trade Marks Journal," April 9

*For chemical products for use in the manufacture of perfumes, perfumery products, soaps and cosmetics* (1).

WARDIA, B700,330, by Firmenich & Co., Geneva, Switzerland.

*For industrial and scientific chemical products* (1).

CLOROPHIN, 704,390, by Ashe Laboratories, Ltd., Leatherhead.

*For non-medicated toilet preparations* (3).

Circular device of willow tree, B701,793, by Willows Francis Pharmaceutical Products, Ltd., London, E.8.

*For powder compacts* (3).

SONATA, 703,744, by S. D. Rand, Ltd., London, W.1.

## Answers to Revision Questions

1. Because alone they possess no therapeutic properties and are useless in the treatment of pain.

2. The thiobarbiturates, which are short in action.





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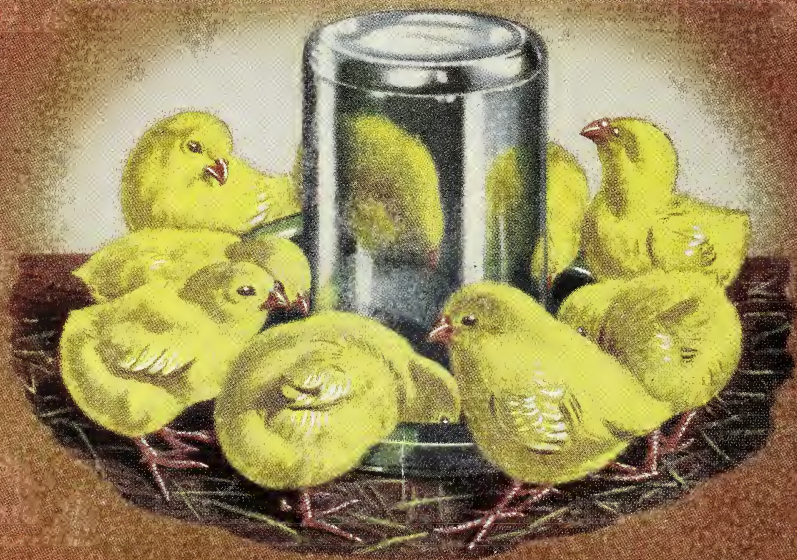
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